

To: Gunasekara, Mandy[Gunasekara.Mandy@epa.gov]
From: Catanzaro, Michael J. EOP/WHO
Sent: Tue 3/28/2017 4:34:47 PM
Subject: RE: Title of EO for official correspondence

Shoot, sorry,

Ex. 6 - Personal Privacy

From: Gunasekara, Mandy [mailto:Gunasekara.Mandy@epa.gov]
Sent: Tuesday, March 28, 2017 12:20 PM
To: Catanzaro, Michael J. EOP/WHO
Subject: RE: Title of EO for official correspondence

Ex. 6 - Personal Privacy

Two more quick confirmations:

Ex. 5 - Deliberative Process

Thanks!! We are rocking and rolling over here.

From: Catanzaro, Michael J. EOP/WHO [mailto:Michael.J.Catanzaro@who.eop.gov]
Sent: Tuesday, March 28, 2017 12:16 PM
To: Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>
Subject: RE: Title of EO for official correspondence

Latest version says, "Promoting Energy Independence and Economic Growth"

From: Gunasekara, Mandy [mailto:Gunasekara.Mandy@epa.gov]
Sent: Tuesday, March 28, 2017 11:59 AM
To: Catanzaro, Michael J. EOP/WHO
Subject: Title of EO for official correspondence

Ex. 6 - Personal Privacy

Can you confirm this is the correct title for the final EO? "Establishing National Policy in Favor of Energy Independence, Economic Growth, and the Rule of Law."

To: Swanson, Nicholas[Swanson.Nicholas@epa.gov]
From: Culligan, Kevin
Sent: Thur 10/12/2017 4:10:54 PM
Subject: FW: 10/5 version of CPP repeal RIA
[EO12866 CPP Repeal 2060-AT55 Proposal RIA Spreadsheet 20171005.xlsx](#)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171005_clean.docx](#)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171005_RLSO.DOCX](#)

From: Culligan, Kevin
Sent: Thursday, October 05, 2017 6:06 PM
To: Ex. 6 - Personal Privacy @omb.eop.gov
Cc: Sasser, Erika <Sasser.Erika@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>
Subject: FW: 10/5 version of CPP repeal RIA

Attached are the RIA edits. Still finishing up the preamble.

To: Swanson, Nicholas[Swanson.Nicholas@epa.gov]
From: Culligan, Kevin
Sent: Thur 10/12/2017 4:07:51 PM
Subject: FW: Clean versions of CPP
[EO12866 CPP Repeal 2060-AT55 Proposal 20171005.docx](#)
[ATT00001.htm](#)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171006.docx](#)
[ATT00002.htm](#)

From: Culligan, Kevin
Sent: Friday, October 06, 2017 1:39 PM
To: Aaron Szabo [Ex. 6 - Personal Privacy @omb.eop.gov](#)
Cc: Sasser, Erika <Sasser.Erika@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>
Subject: Clean versions of CPP

To: Ex. 6 - Personal Privacy @omb.eop.gov Ex. 6 - Personal Privacy @omb.eop.gov
Cc: Sasser, Erika[Sasser.Erika@epa.gov]; McGartland, Al[McGartland.Al@epa.gov]
From: Culligan, Kevin
Sent: Thur 10/5/2017 10:06:39 PM
Subject: FW: 10/5 version of CPP repeal RIA
[EO12866 CPP Repeal 2060-AT55 Proposal RIA Spreadsheet 20171005.xlsx](#)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171005 clean.docx](#)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171005 RLSO.DOCX](#)

Attached are the RIA edits. Still finishing up the preamble.

Cc: Sasser, Erika[Sasser.Erika@epa.gov]; McGartland, Al[McGartland.Al@epa.gov]
To: Aaron Szabo[Ex. 6 - Personal Privacy @omb.eop.gov]
From: Culligan, Kevin
Sent: Fri 10/6/2017 5:39:13 PM
Subject: Clean versions of CPP
[EO12866 CPP Repeal 2060-AT55 Proposal 20171005.docx](#)
[ATT00001.htm](#)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171006.docx](#)
[ATT00002.htm](#)

To: Culligan, Kevin[Culligan.Kevin@epa.gov]; Zenick, Elliott[Zenick.Elliott@epa.gov]; Skinner-Thompson, Jonathan[Skinner-Thompson.Jonathan@epa.gov]; Jordan, Scott[Jordan.Scott@epa.gov]
From: Swanson, Nicholas
Sent: Wed 10/4/2017 2:18:55 PM
Subject: RE: CPP
[RLSO CPP Proposal.FR Notice.10.02.2017.docx](#)

Attached is the most recent version of the CPP Repeal that we have sent over to OMB if it is needed for the conversation at 10:30

-----Original Appointment-----

From: Culligan, Kevin
Sent: Wednesday, October 04, 2017 9:55 AM
To: Culligan, Kevin; Zenick, Elliott; Skinner-Thompson, Jonathan; Jordan, Scott; Swanson, Nicholas; [Ex. 6 - Personal Privacy]@omb.eop.gov
Cc: Schmidt, Lorie; Schwab, Justin
Subject: CPP
When: Wednesday, October 04, 2017 10:30 AM-11:30 AM (UTC-05:00) Eastern Time (US & Canada).
Where: [Ex. 6 - Personal Privacy] - call in code [Ex. 6 - Personal Privacy]

To: Dunham, Sarah[Dunham.Sarah@epa.gov]; Page, Steve[Page.Steve@epa.gov]; Tsirigotis, Peter[Tsirigotis.Peter@epa.gov]; Sasser, Erika[Sasser.Erika@epa.gov]; Lewis, Josh[Lewis.Josh@epa.gov]

From: Culligan, Kevin

Sent: Thur 10/5/2017 10:37:04 PM

Subject: FW: 10/5 version of CPP repeal RIA

EO12866 CPP Repeal 2060-AT55 Proposal RIA Spreadsheet 20171005.xlsx

EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171005_clean.docx

EO12866 CPP Repeal 2060-AT55 Proposal RIA 20171005_RLSO.DOCX

From: Culligan, Kevin

Sent: Thursday, October 05, 2017 6:06 PM

To: Ex. 6 - Personal Privacy [REDACTED]@omb.eop.gov

Cc: Sasser, Erika <Sasser.Erika@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>

Subject: FW: 10/5 version of CPP repeal RIA

Attached are the RIA edits. Still finishing up the preamble.

To: Swanson, Nicholas[Swanson.Nicholas@epa.gov]
From: Culligan, Kevin
Sent: Tue 10/3/2017 1:28:37 PM
Subject: FW: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Body of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)
EO12866 CPP Repeal 2060-AT55 Proposal RIA_body_interagency comments.docx

For docket

From: Szabo, Aaron L. EOP/OMB [mailto:Ex. 6 - Personal Privacy@omb.eop.gov]
Sent: Tuesday, October 03, 2017 3:41 AM
To: Culligan, Kevin <Culligan.Kevin@epa.gov>
Cc: Bolen, Brittany <bolen.brittany@epa.gov>; Laity, Jim A. EOP/OMB
Ex. 6 - Personal Privacy@omb.eop.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Mancini, Dominic J. EOP/OMB <Ex. 6 - Personal Privacy@omb.eop.gov>; Palmieri, Rosario A. EOP/OMB
Ex. 6 - Personal Privacy@omb.eop.gov>; McGartland, Al <McGartland.Al@epa.gov>; Szabo, Aaron L. EOP/OMB <Ex. 6 - Personal Privacy@omb.eop.gov>
Subject: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Body of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)

Attached please find the summary of interagency comments under EO 12866 for the body of the Regulatory Impact Analysis (RIA) for the EPA draft proposed rule entitled, "Review of the Clean Power Plan" (RIN 2060-AT55).

Please let me know if you have any questions.

Thank you very much.

Aaron L. Szabo

Policy Analyst

Office of Information and Regulatory Affairs

Office of Management and Budget

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy @omb.eop.gov

To: Swanson, Nicholas[Swanson.Nicholas@epa.gov]
From: Culligan, Kevin
Sent: Fri 10/13/2017 2:22:58 PM
Subject: FW: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Body of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)
EO12866 CPP Repeal 2060-AT55 Proposal RIA_body_interagency comments.docx

From: Szabo, Aaron L. EOP/OMB [mailto:Ex. 6 - Personal Privacy@omb.eop.gov]
Sent: Tuesday, October 03, 2017 9:41 AM
To: Culligan, Kevin <Culligan.Kevin@epa.gov>
Cc: Bolen, Brittany <bolen.brittany@epa.gov>; Laity, Jim A. EOP/OMB
Ex. 6 - Personal Privacy@omb.eop.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Mancini, Dominic J. EOP/OMB <Ex. 6 - Personal Privacy@omb.eop.gov>; Palmieri, Rosario A. EOP/OMB
Ex. 6 - Personal Privacy@omb.eop.gov>; McGartland, Al <McGartland.Al@epa.gov>; Szabo, Aaron L. EOP/OMB <Ex. 6 - Personal Privacy@omb.eop.gov>
Subject: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Body of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)

Attached please find the summary of interagency comments under EO 12866 for the body of the Regulatory Impact Analysis (RIA) for the EPA draft proposed rule entitled, "Review of the Clean Power Plan" (RIN 2060-AT55).

Please let me know if you have any questions.

Thank you very much.

Aaron L. Szabo

Policy Analyst

Office of Information and Regulatory Affairs

Office of Management and Budget

Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy [@omb.eop.gov](mailto:omb.eop.gov)

To: Fann, Neal[Fann.Neal@epa.gov]
From: Keaveny, Brian
Sent: Thur 3/8/2018 9:25:46 PM
Subject: RE: creating tables for RIA

Thanks Neal. This makes sense to me. I'll update the workbook and then send it back to you to confirm it is what you were thinking.

- Brian

From: Fann, Neal
Sent: Thursday, March 08, 2018 12:47 PM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: RE: creating tables for RIA

Hi Brian,

See the revised version of the excel workbook attached. Tabs marked in red reflect edits. Cells highlighted in yellow can be deleted.

Thanks,

Neal

From: Fann, Neal
Sent: Thursday, March 08, 2018 12:09 PM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: RE: creating tables for RIA

Brian,

Thanks for sharing this. Questions/thoughts:

1. Will this be saved in SharePoint so that I can dump in the benefits numbers whenever they're complete and QA'd?
2. If the answer to #1 is "yes," then I can go in and tweak the format a bit and then let you know when I've finished my edits.

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Ex. 5 - Deliberative Process

4. Can you re-send me an invitation to the CPP SharePoint folder? I just tried to access it and got the message below...

Sorry, you don't have access.

Awaiting approval. We'll let you know about any updates.

If you want to update your request, you can write a message here.

Fann, Neal

Let me in!

9/12/2017 at 12:57 PM

From: Keaveny, Brian
Sent: Thursday, March 08, 2018 10:17 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: creating tables for RIA

Hey Neal,

Attached is the workbook I used to create net benefit and (some) benefit tables in the CPP repeal RIA. This draft includes some formatting updates I made earlier this week to the net benefit tables – since it was too manual last time.

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Anyways, let’s chat briefly sometime in the next week after you’ve had a chance to take a quick look at this and think about the benefit data layout and tables you’ll want.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Fann, Neal[Fann.Neal@epa.gov]
From: Keaveny, Brian
Sent: Thur 3/8/2018 3:16:48 PM
Subject: creating tables for RIA
[forgone benefit and avoided cost tables - 10122017 - replacement templat....xlsx](#)

Hey Neal,

Attached is the workbook I used to create net benefit and (some) benefit tables in the CPP repeal RIA. This draft includes some formatting updates I made earlier this week to the net benefit tables – since it was too manual last time.

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Thanks,

- Brian

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Wayland, Robertj[Wayland.Robertj@epa.gov]; Fox, Tyler[Fox.Tyler@epa.gov]
Cc: Dolwick, Pat[Dolwick.Pat@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]
From: Weatherhead, Darryl
Sent: Thur 3/1/2018 6:18:44 PM
Subject: RE: Reduced Form Project, CPP RIA and OMB

I'm happy to sit down and talk about this. Tyler, I'll try to stop by today or tomorrow.

I think the concerns are two fold and they may be being conflated.

Ex. 5 - Deliberative Process

Thanks

Darryl

From: Wayland, Robertj
Sent: Thursday, March 01, 2018 12:38 PM
To: Fox, Tyler <Fox.Tyler@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Cc: Dolwick, Pat <Dolwick.Pat@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>
Subject: RE: Reduced Form Project, CPP RIA and OMB

Tyler –

My only experience since joining HEID has been with the CPP repeal, and I know you probably know more about that effort than I do! I've copied Neal on this response as he definitely give you more guidance on the CPP repeal and previous RIA/benefits analyses.

Bob

Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail Code – C539-07 I

Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 |

Desk: 919-541-1045 | Cell: 919-306-2290 | Fax: 919-541-5315 |

Note: Positions or views expressed here do not represent official EPA policy. Interagency Deliberative and Confidential

From: Fox, Tyler

Sent: Thursday, March 01, 2018 11:45 AM

To: Wayland, Robertj <Wayland.Robertj@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>

Cc: Dolwick, Pat <Dolwick.Pat@epa.gov>

Subject: FW: Reduced Form Project, CPP RIA and OMB

Darryl/Bob

Ex. 5 - Deliberative Process

Thanks,

Tyler

From: Sasser, Erika

Sent: Thursday, March 01, 2018 11:38 AM

To: Fox, Tyler <Fox.Tyler@epa.gov>

Cc: Wayland, Richard <Wayland.Richard@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber <Scavo.Kimber@epa.gov>; Hemby, James <Hemby.James@epa.gov>; Dolwick, Pat <Dolwick.Pat@epa.gov>

Subject: Re: Reduced Form Project, CPP RIA and OMB

I completely agree—thanks for summarizing the state of play and challenges so clearly. Can you set something up for next week?

Sent from my iPhone

On Mar 1, 2018, at 11:05 AM, Fox, Tyler <Fox.Tyler@epa.gov> wrote:

Erika/Chet

As follow up to yesterday's call with OP and OMB on reduced form evaluation project, I wanted to stress the need for us to meet and talk internally about how to do the following:

Ex. 5 - Deliberative Process

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Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process To get some sanity and set some agreeable and manageable expectations here is something we really need to get together and discuss.

Thanks,

Tyler

To: Davidson, Ken[Davidson.Ken@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]
From: Macpherson, Alex
Sent: Mon 8/14/2017 6:04:02 PM
Subject: RE: For your review: initial responses to CPP interagency comments

Hi Ken

We're in a bit of a holding pattern right now and waiting for some mgmt direction.

Alex

From: Davidson, Ken
Sent: Monday, August 14, 2017 1:43 PM
To: Fann, Neal <Fann.Neal@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: For your review: initial responses to CPP interagency comments

Hi Neal and Alex,

Wanted to check in on how the responses to the CPP RIA comments were coming along. Is there anything you can share? Any useful updates on process? Thanks,

Ken

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal

Sent: Wednesday, August 02, 2017 11:08 AM

To: Davidson, Ken <Davidson.Ken@epa.gov>; Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: RE: For your review: initial responses to CPP interagency comments

Ken,

Thanks for the feedback. I've rolled in your changes.

Alex is the project lead, and I've cc'd him on this note. Alex, in my absence, would you be willing to share with Ken your responses to the other comments?

Thanks,

Neal

From: Davidson, Ken

Sent: Wednesday, August 02, 2017 12:54 PM

To: Fann, Neal <Fann.Neal@epa.gov>; Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: RE: For your review: initial responses to CPP interagency comments

Hi Neal,

Thanks for the opportunity to review. I added a couple of small comments to the doc. I'm also interested in how y'all will be responding to some of the other comments – for example:

Ex. 5 - Deliberative Process

Do you know who is working on these responses? Thanks,

Ken

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal

Sent: Tuesday, August 01, 2017 4:59 PM

To: Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>;
Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Davidson, Ken
<Davidson.Ken@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: For your review: initial responses to CPP interagency comments

Hi benefits team

I've been asked to draft brief responses to the two benefits-related CPP comments. As you have time on Wednesday, can you please review and revise this two- pager? Please feel free to modify and comment upon the SharePoint version directly. Our goal is to provide Erika with a terse response that she can use to speak from, rather than an exhaustive review of the state of the science.

Thanks in advance for your help!

-Neal

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Fann, Neal
Sent: Thur 3/8/2018 10:13:49 PM
Subject: RE: creating tables for RIA

Sounds like a plan.

Whenever convenient, I'll also need a new invite to the SharePoint folder.

Thanks,

Neal

From: Keaveny, Brian
Sent: Thursday, March 08, 2018 4:26 PM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: RE: creating tables for RIA

Thanks Neal. This makes sense to me. I'll update the workbook and then send it back to you to confirm it is what you were thinking.

- Brian

From: Fann, Neal
Sent: Thursday, March 08, 2018 12:47 PM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: RE: creating tables for RIA

Hi Brian,

See the revised version of the excel workbook attached. Tabs marked in red reflect edits. Cells highlighted in yellow can be deleted.

Thanks,

Neal

From: Fann, Neal

Sent: Thursday, March 08, 2018 12:09 PM

To: Keaveny, Brian <Keaveny.Brian@epa.gov>

Subject: RE: creating tables for RIA

Brian,

Thanks for sharing this. Questions/thoughts:

1. Will this be saved in SharePoint so that I can dump in the benefits numbers whenever they're complete and QA'd?
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Ex. 5 - Deliberative Process

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Fann, Neal

Let me in!

9/12/2017 at 12:57 PM

From: Keaveny, Brian
Sent: Thursday, March 08, 2018 10:17 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: creating tables for RIA

Hey Neal,

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Anyways, let’s chat briefly sometime in the next week after you’ve had a chance to take a quick look at this and think about the benefit data layout and tables you’ll want.

Thanks,

- Brian

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Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Fann, Neal
Sent: Thur 3/8/2018 5:47:13 PM
Subject: RE: creating tables for RIA
[forgone benefit and avoided cost tables - 3-8-2018 nlf edit.xlsx](#)

Hi Brian,

See the revised version of the excel workbook attached. Tabs marked in red reflect edits. Cells highlighted in yellow can be deleted.

Thanks,

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Sent: Thursday, March 08, 2018 12:09 PM
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Subject: RE: creating tables for RIA

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Thanks for sharing this. Questions/thoughts:

1. Will this be saved in SharePoint so that I can dump in the benefits numbers whenever they're complete and QA'd?
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Let me in!

9/12/2017 at 12:57 PM

From: Keaveny, Brian

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To: Fann, Neal <Fann.Neal@epa.gov>

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Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Fann, Neal
Sent: Thur 3/8/2018 5:08:50 PM
Subject: RE: creating tables for RIA

Brian,

Thanks for sharing this. Questions/thoughts:

1. Will this be saved in SharePoint so that I can dump in the benefits numbers whenever they're complete and QA'd?
2. If the answer to #1 is "yes," then I can go in and tweak the format a bit and then let you know when I've finished my edits.

3. **Ex. 5 - Deliberative Process**

4. Can you re-send me an invitation to the CPP SharePoint folder? I just tried to access it and got the message below...

Sorry, you don't have access.

Awaiting approval. We'll let you know about any updates.

If you want to update your request, you can write a message here.

Fann, Neal

Let me in!

9/12/2017 at 12:57 PM

From: Keaveny, Brian

Sent: Thursday, March 08, 2018 10:17 AM

To: Fann, Neal <Fann.Neal@epa.gov>

Subject: creating tables for RIA

Hey Neal,

Attached is the workbook I used to create net benefit and (some) benefit tables in the CPP repeal RIA. This draft includes some formatting updates I made earlier this week to the net benefit tables – since it was too manual last time.

The CPP repeal benefits data that you provided was pasted in the workbook on the sheet titled “data - health co-benefits.” Other sheets links to this, and ultimately create the net benefit tables on the sheet titled “Tables - net benefits” and some benefit tables on the sheet titled “Tables – benefits.” If you’ll be able to provide the benefits data in the same layout as last time, I think I can start modifying this workbook in advance to create these same tables once we have data to drop in.

Also, I remember that you and/or folks in your group created some other RIA benefit tables in a separate process. I’m not as familiar with that, but imagine it makes sense to keep it separate from this workbook. This workbook already has a lot going on since it creates both cost and benefit tables.

Anyways, let’s chat briefly sometime in the next week after you’ve had a chance to take a quick look at this and think about the benefit data layout and tables you’ll want.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Wayland, Robertj[Wayland.Robertj@epa.gov]; Fox, Tyler[Fox.Tyler@epa.gov]; Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
Cc: Dolwick, Pat[Dolwick.Pat@epa.gov]
From: Fann, Neal
Sent: Thur 3/1/2018 6:07:47 PM
Subject: RE: Reduced Form Project, CPP RIA and OMB

Hi Bob and all,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Does this help?

-Neal

From: Wayland, Robertj
Sent: Thursday, March 01, 2018 12:38 PM
To: Fox, Tyler <Fox.Tyler@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Cc: Dolwick, Pat <Dolwick.Pat@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>
Subject: RE: Reduced Form Project, CPP RIA and OMB

Tyler –

My only experience since joining HEID has been with the CPP repeal, and I know you probably know more about that effort than I do! I've copied Neal on this response as he definitely give you more guidance on the CPP repeal and previous RIA/benefits analyses.

Bob

Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail Code – C539-07 I

Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711
|

Desk: 919-541-1045 | Cell: 919-306-2290 | Fax: 919-541-5315 |

Note: Positions or views expressed here do not represent official EPA policy. Interagency Deliberative and Confidential

From: Fox, Tyler
Sent: Thursday, March 01, 2018 11:45 AM
To: Wayland, Robertj <Wayland.Robertj@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Cc: Dolwick, Pat <Dolwick.Pat@epa.gov>
Subject: FW: Reduced Form Project, CPP RIA and OMB

Darryl/Bob

Ex. 5 - Deliberative Process

Thanks,

Tyler

From: Sasser, Erika

Sent: Thursday, March 01, 2018 11:38 AM

To: Fox, Tyler <Fox.Tyler@epa.gov>

Cc: Wayland, Richard <Wayland.Richard@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber <Scavo.Kimber@epa.gov>; Hemby, James <Hemby.James@epa.gov>; Dolwick, Pat <Dolwick.Pat@epa.gov>

Subject: Re: Reduced Form Project, CPP RIA and OMB

I completely agree—thanks for summarizing the state of play and challenges so clearly. Can you set something up for next week?

Sent from my iPhone

On Mar 1, 2018, at 11:05 AM, Fox, Tyler <Fox.Tyler@epa.gov> wrote:

Erika/Chet

As follow up to yesterday's call with OP and OMB on reduced form evaluation project, I

wanted to stress the need for us to meet and talk internally about how to do the following:

1

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

2

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

To get some sanity and set some agreeable and manageable expectations here is something we really need to get together and discuss.

Thanks,

Tyler

To: Kamal, Ali[Kamal.Ali@epa.gov]
Cc: Coffman, Evan[Coffman.Evan@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]
From: Fann, Neal
Sent: Wed 9/27/2017 10:59:57 AM
Subject: RE: Best practices for updating benefits estimates

Yeah, that would be great. Thanks Ali. I'd like to give it a quick read before we send it to Brian for docketing.

From: Kamal, Ali
Sent: Wednesday, September 27, 2017 6:56 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: FW: Best practices for updating benefits estimates

Let me know if you want me to put together the file I generated to QA.

From: Keaveny, Brian
Sent: Tuesday, September 26, 2017 7:06 PM
To: Fann, Neal <Fann.Neal@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Best practices for updating benefits estimates

Hi Neal,

As you know, we're wrapping up the RIA for interagency review to be sent out Wednesday (tomorrow). As part of this, we need to also send our associated workbooks, including the workbook(s) you've used to generate benefit numbers. FYI, whatever files I send tomorrow will likely end up in the docket.

Can you or someone else on your end prepare your spreadsheet(s) for sharing and send them to me by 1:00 pm Wednesday?

I'm happy to discuss tomorrow morning if it would be helpful.

Thanks for your help,

- Brian

From: Fann, Neal

Sent: Monday, September 25, 2017 12:30 PM

To: Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>

Cc: Keaveny, Brian <Keaveny.Brian@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: Best practices for updating benefits estimates

Hi all,

As we reach our next major milestone for the CPP repeal and distribute the draft chapter to the management team, I wanted to thank you all for taking the time over the past several days to generate new numbers, populate tables and perform QA/QC. Prior to you guys joining the benefits team, we generally only tasked one person with performing the entire analysis. Partly for this reason, I'm less accustomed to performing this work as a team.

Whenever we update any benefits estimates (which occurs frequently in pretty much any RIA project), I think we should send a quick note to the benefits team as well as any "downstream" users of this information (in this case, Brian and Alex), indicating what has changed and by how much. This way, anyone using our numbers to calculate net benefits or NPV will know that they need to update their calculations.

Thanks again for all of your help and being willing to put in the extra effort to get this across the finish line.

-Neal

Neal Fann

Health and Environmental Impacts Division

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

109 TW Alexander Drive (C539-07)

Research Triangle Park, NC 27711

Phone: (919) 541-0209

To: Jenkins, Scott[Jenkins.Scott@epa.gov]
Cc: Wesson, Karen[Wesson.Karen@epa.gov]
From: Fann, Neal
Sent: Tue 9/26/2017 11:56:19 AM
Subject: RE: Can you review these CPP edits from OP

Basically asap. We're supposed to turn around another version by tomorrow and we're negotiating changes with AI along the way.

From: Jenkins, Scott
Sent: Tuesday, September 26, 2017 7:55 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Cc: Wesson, Karen <Wesson.Karen@epa.gov>
Subject: RE: Can you review these CPP edits from OP

No problem. When do you need comments?

Scott Jenkins, Ph.D.
Acting Science Advisor, Health and Environmental Impacts Division

U.S. EPA, Office of Air Quality Planning and Standards
Research Triangle Park, NC 27711
919-541-1167 (v)
jenkins.scott@epa.gov

From: Fann, Neal
Sent: Tuesday, September 26, 2017 7:44 AM
To: Jenkins, Scott <Jenkins.Scott@epa.gov>
Cc: Wesson, Karen <Wesson.Karen@epa.gov>
Subject: Can you review these CPP edits from OP

Scott—if you get a chance, can you review the edits that AI made to the following pages in the attached version of the CPP repeal RIA? **Ex. 5 - Deliberative Process**

Ex. 5 - Deliberative Process

From: McGartland, Al
Sent: Tuesday, September 26, 2017 7:19 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Cc: Marten, Alex <Marten.Alex@epa.gov>
Subject: Fwd: apologies for the separate file.

I added stuff here to exec summary.b see attachment. Also similar language by Alex and me was inserted yesterday in body of text.

Sent from my iPhone

Begin forwarded message:

From: "McGartland, Al" <McGartland.Al@epa.gov>
Date: September 26, 2017 at 5:39:21 AM EDT
To: "Macpherson, Alex" <Macpherson.Alex@epa.gov>, "Marten, Alex" <Marten.Alex@epa.gov>
Cc: "Sasser, Erika" <Sasser.Erika@epa.gov>
Subject: apologies for the separate file.

Alex, I am so sorry, but try as I did, I could not get the sharepoint to work on my home computer. So I was able to download and use my local word to edit the exec summary.

Most of my edits are large large inserts.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

I did make those edits as well.

Ex. 5 - Deliberative Process

that lays out how we should examine these properly. Dave Evans and I have discussed this and he is drafting something for our Guidelines-- so Dave, if you have time, it would be good for you to look at that short section.

To: Jenkins, Scott[Jenkins.Scott@epa.gov]
Cc: Wesson, Karen[Wesson.Karen@epa.gov]
From: Fann, Neal
Sent: Tue 9/26/2017 11:43:50 AM
Subject: Can you review these CPP edits from OP
[draft_cpp_repeal_proposal_RIA_092517_am.docx](#)
[ATT00001.htm](#)

Scott—if you get a chance, can you review the edits that AI made to the following pages in the attached version of the CPP repeal RIA?

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

• Page 6

• Page 51

From: McGartland, AI
Sent: Tuesday, September 26, 2017 7:19 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Cc: Marten, Alex <Marten.Alex@epa.gov>
Subject: Fwd: apologies for the separate file.

I added stuff here to exec summary.b see attachment. Also similar language by Alex and me was inserted yesterday in body of text.

Sent from my iPhone

Begin forwarded message:

From: "McGartland, AI" <McGartland.AI@epa.gov>
Date: September 26, 2017 at 5:39:21 AM EDT
To: "Macpherson, Alex" <Macpherson.Alex@epa.gov>, "Marten, Alex" <Marten.Alex@epa.gov>
Cc: "Sasser, Erika" <Sasser.Erika@epa.gov>
Subject: apologies for the separate file.

Alex, I am so sorry, but try as I did, I could not get the sharepoint to work on my home computer. So I was able to download and use my local word to edit the exec summary.

Most of my edits are large large inserts.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

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| Ex. 5 - Deliberative Process | I did make those edits as well. |
|------------------------------|---------------------------------|

| | |
|------------------------------|--|
| Ex. 5 - Deliberative Process | that lays out how we should examine these properly. Dave Evans and I have discussed this and he is drafting something for our Guidelines— so Dave, if you have time, it would be good for you to look at that short section. |
|------------------------------|--|

To: Fox, Tyler[Fox.Tyler@epa.gov]; Simon, Heather[Simon.Heather@epa.gov]; Baker, Kirk[Baker.Kirk@epa.gov]; Wayland, Robertj[Wayland.Robertj@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]
From: Fann, Neal
Sent: Fri 12/8/2017 12:13:41 PM
Subject: RE: Environment & Energy Report Highlights

Thanks Tyler. I saw this and was so very, very confused.

From: Fox, Tyler
Sent: Thursday, December 07, 2017 5:19 PM
To: Simon, Heather <Simon.Heather@epa.gov>; Baker, Kirk <Baker.Kirk@epa.gov>; McKinley, Gobeail <McKinley.Gobeail@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>
Subject: FYI: Environment & Energy Report Highlights

FYI

Power Plan Repeal Doesn't Reverse Health Calculations: Pruitt

Posted Dec. 7, 2017, 1:16 PM

By [Abby Smith](#)

EPA Administrator Scott Pruitt disputed claims that the agency reversed a years-old approach to calculating air quality benefits in its regulatory analysis.

"We did not reverse it, congressman," Pruitt told Rep. Raul Ruiz (D-Calif.) about the Environmental Protection Agency's policy that fine particulate matter is a "non-threshold" pollutant—meaning there is no safe level of fine particulate matter the agency considers to be safe.

Pruitt's comments came during a Dec. 7 hearing before the House Energy and Commerce committee's environment panel. Ruiz asked Pruitt to explain why the EPA's [regulatory impact analysis](#) accompanying its plans to repeal Obama-era carbon controls for power plants altered the calculation of co-benefits.

The EPA's Oct. 10 proposal to repeal the rule, also known as the Clean Power Plan, included lower estimates of the health benefits from the power plant rule—in part by asserting that the potential benefits to cutting fine particulate matter ends when levels meet the national standard for the pollutant.

“EPA assumes there are safe levels of fine particle pollution. That’s a concern of mine,” Ruiz said. He asked whether Pruitt relied “on any new peer-reviewed scientific studies to support reversing the EPA’s position.”

Pruitt, in response, said the EPA’s withdrawal of the power plant rule was focused on “jurisdictional issues” under the Clean Air Act.

“We did not base our withdrawal of the Clean Power Plan on the issues you cited,” he said.

The administrator later added, “moreover, we are going to be introducing a replacement rule.” It is unclear, though, whether Pruitt was referring to replacing the Clean Power Plan, because several lawmakers began to talk over him.

From: Bloomberg Environment [<mailto:bloomberg@bna.com>]

Sent: Thursday, December 07, 2017 4:57 PM

To: Fox, Tyler <Fox.Tyler@epa.gov>

Subject: Environment & Energy Report Highlights

Environment & Energy
Thursday, December 07, 2017

Highlights

Leading the News

Pruitt Questions EPA Finding That Climate Change Is Health Risk

By Eric Roston

The Obama administration rushed an analysis that found climate change is a risk to human health and welfare, Environmental Protection Agency Administrator Scott Pruitt said, offering a justification that he could use to reverse that determination.

Power Plan Repeal Doesn't Reverse Health Calculations: Pruitt

By Abby Smith

EPA Administrator Scott Pruitt disputed claims that the agency reversed a years-old approach to calculating air quality benefits in its regulatory analysis.

Trump's Top Pick for EPA Enforcement Confirmed by Senate

By Dean Scott

President Trump's nominee to head the Environmental Protection enforcement office, Susan Bodine, was confirmed today by the Senate by voice vote.

Are Polluters Liable When Tainted Groundwater Seeps Into Rivers?

By Amena H. Saiyid

Federal judges will have to decide whether Kinder Morgan Energy Partners, a national pipeline company, remains liable for contamination from a 2014 gasoline spill that continues to foul South Carolina streams even though pollutants are no longer being released.

Today's News

Oil Lease Sale by Interior Attracts Little Action in Arctic

By Alan Kovski

The Interior Department offered 900 tracts for oil and gas exploration leasing on the North Slope of Alaska, but drew bids on only seven tracts in the remote Arctic region.

Alberta Oil Sands Operators Get New Greenhouse Gas Restrictions

By James Munson

Alberta is changing the way large emitters like oil sands producers are penalized for their greenhouse gas emissions.

Chemical Makers Applaud Coming Animal Reduction Test Strategy

By Pat Rizzuto

Scientists working for chemical and pharmaceutical manufacturers praised a federal multiagency strategy to generate regulatory safety data, while reducing the number of animals killed in laboratory experiments.

Companies Await Their Chance to Explore in Arctic Refuge

By Alan Kovski

Oil companies will have a chance to explore an untapped and virtually unexplored frontier if Congress passes pending legislation that includes oil leasing in the Arctic National Wildlife Refuge.

EPA Guide Would OK Chemicals Without Enough Safety Tests: Advocates

By Steven Gibb

The EPA is moving to grant new chemical approvals without enough safety testing in a “reckless and irresponsible” way, according to a former senior agency official in the Obama administration, who is now counsel to an advocacy group.

Pruitt to Chair Council on Deepwater Oil Spill Restoration

By Nushin Huq

EPA Administrator Scott Pruitt will chair the Gulf Coast Ecosystem Restoration Council, a group formed after the 2010 Deepwater Horizon oil spill to restore the region's ecosystems and economies.

Advocates Sue Safety Board Over Company Emissions Reporting Rule

By Sam Pearson

Companies could be required to report emissions data to a little-known federal agency if a court sides with public interest groups seeking an order to issue a stalled regulation.

New Iceland Government Embraces

Environmental Agenda

By Marcus Hoy

Higher carbon taxes on gasoline and diesel are part of the new government of Iceland's plan to go beyond the Paris Agreement to fight climate change.

California Probes Power Lines PG&E Didn't Shut Down Before Fires

By Mark Chediak

California regulators are asking about power lines that PG&E Corp. didn't proactively shut amid high winds in October that led to a series of deadly wildfires.

Trump Urges Republican Lawmakers to Overcome Ethanol Differences

By Jennifer A. Dlouhy and Jennifer Jacobs

President Donald Trump urged Republicans to settle their differences over the U.S. biofuel mandate at a White House meeting Dec. 7 with Ted Cruz and other senators critical of the requirement for ethanol use, according to lawmakers who attended.

Tighter Vehicle Emissions Testing Regime Coming to Europe

By Stephen Gardner

Ford of Europe AG, Toyota Motor Corp., Volkswagen Group, and other automakers face more rigorous checks on their vehicles' compliance with European Union exhaust emissions rules, under a deal reached by EU institutions Dec. 7.

Input Sought on EU Endocrine Disruptor Guidance

By Stephen Gardner

Pesticides and biocidal producers and other respondents can comment on draft guidance that the European Chemicals Agency and the European Food Safety Authority issued Dec. 7 on identifying endocrine-disrupting substances.

Transocean Ltd. Drillship Investigated After Worker Death

By Nushin Huq

Federal regulators are investigating a Dec. 2 fatality on a Transocean Ltd.-owned offshore drillship in the Gulf of Mexico.

Massachusetts Awards \$20 Million to Jump-Start Energy Storage

By Adrienne Appel

Massachusetts has awarded \$20 million to new battery-storage projects, an amount officials hope is enough to jump-start a nearly nonexistent industry in the state.

Wildfires Foul Southern California Air, Pose Health Risk

By Carolyn Whetzel

Wildfires raging across Southern California are exposing people from Los Angeles to Santa Barbara to very unhealthy levels of air pollution.

Interior Reorganization Plan Discussed, Without the Plan

By Alan Kovski

A reorganization plan for the Interior Department has been sent to the White House Office of Management and Budget but has not been shared with Congress or stakeholders, Democrats on the House Natural Resources Committee said today.

Federal Energy Regulator Chairman Kevin McIntyre Sworn In

By Rebecca Kern

Kevin McIntyre was sworn in today as chairman of the Federal Energy Regulatory Commission.

Tongling Cuts Copper Capacity as China Tackles Pollution

By Bloomberg News

China's second-largest copper smelter said it began halting capacity last week at its main production hub in the city of Tongling after the local government ordered the curbs as part of a national plan to ease pollution over the winter months.

Trump to Meet Ethanol Critic Cruz on Renewable Fuel Standard

By Jennifer A. Dlouhy and Jennifer Jacobs

President Donald Trump will confront the conflict between farm-state and oil-state Republicans over renewable fuel standards as he meets today with Texas Senator Ted Cruz, a leading critic of requirements for ethanol use.

Belo Sun Blocked Again From Operating Amazon Gold Mine

By Michael Kepp

Canada's Belo Sun Mining Corp. hit a third roadblock with its planned Amazon gold mine when a Brazil appeals court maintained the suspension of its construction license, citing the company's inadequate impact studies.

Wednesday Night Wrapup

Energy Regulatory Chairman Expected to Join Dec. 7

By Rebecca Kern

Kevin McIntyre, the fifth member of the Federal Energy Regulatory Commission and incoming chairman, is expected to be sworn in on Dec. 7, agency spokesman Craig Cano told Bloomberg Environment.

Volkswagen Official Gets Seven Years in Jail for Diesel Scandal

By Andrew Childers

A former Volkswagen AG executive will spend seven years in prison for his role in a scheme to rig diesel cars to cheat on federal air-pollution emissions tests.

Expect More Lawsuits if EPA Defers to States on Water Enforcement

By Amena H. Saiyid

Letting resource-strapped states take the lead on policing water pollution will trigger more lawsuits from environmental advocacy groups accusing the EPA of failing to keep waterways clean.

Georgia Pulp Factory Lawsuit Inspires Water Rule Changes

By Chris Marr

Updating Georgia's water quality rules could sway a pending lawsuit in favor of a large industrial wastewater discharger, according to the riverkeeper group that brought the case.

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[Terms of Service](#) .

To: Davidson, Ken[Davidson.Ken@epa.gov]
From: Fann, Neal
Sent: Tue 10/3/2017 4:15:50 PM
Subject: FW: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Executive Summary of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20170927 Interagency Comment....docx ATT00001.htm](#)

2 of 2

From: McGartland, Al
Sent: Saturday, September 30, 2017 1:08 PM
To: Sasser, Erika <Sasser.Erika@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>
Subject: Fwd: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Executive Summary of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)

Sent from my iPhone

Begin forwarded message:

From: "Szabo, Aaron L. EOP/OMB" [Ex. 6 - Personal Privacy] <[redacted]@omb.eop.gov>
Date: September 29, 2017 at 11:11:46 PM EDT
To: "Culligan, Kevin" <Culligan.Kevin@epa.gov>
Cc: "Bolen, Brittany" <bolen.brittany@epa.gov>, "Laity, Jim A. EOP/OMB" <James_A.[redacted]@omb.eop.gov>, "Dravis, Samantha" <dravis.samantha@epa.gov>, "Mancini, Dominic J. EOP/OMB" <Dominic_J.[redacted]@omb.eop.gov>, "Palmieri, Rosario A. EOP/OMB" [Ex. 6 - Personal Privacy] <[redacted]@omb.eop.gov>, "McGartland, Al" <McGartland.Al@epa.gov>, "Szabo, Aaron L. EOP/OMB" [Ex. 6 - Personal Privacy] <[redacted]@omb.eop.gov>
Subject: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Executive Summary of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)

Attached please find the summary of interagency comments under EO 12866 for the Executive Summary of the Regulatory Impact Analysis (RIA) for the EPA draft proposed rule entitled, "Review of the Clean Power Plan" (RIN 2060-AT55).

Please let me know if you have any questions.

Thank you very much.

Aaron L. Szabo

Policy Analyst

Office of Information and Regulatory Affairs

Office of Management and Budget

202-395-3621

Ex. 6 - Personal Privacy

@omb.eop.gov

To: Davidson, Ken[Davidson.Ken@epa.gov]
From: Fann, Neal
Sent: Tue 10/3/2017 4:15:46 PM
Subject: FW: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Body of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA_body_interagency comments.docx ATT00001.htm](#)

1 of 2

From: McGartland, Al
Sent: Tuesday, October 03, 2017 6:11 AM
To: Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>
Subject: Fwd: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Body of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)

Just work up and saw this.

Sent from my iPhone

Begin forwarded message:

From: "Szabo, Aaron L. EOP/OMB" Ex. 6 - Personal Privacy <@omb.eop.gov>
Date: October 3, 2017 at 3:41:15 AM EDT
To: "Culligan, Kevin" <Culligan.Kevin@epa.gov>
Cc: "Bolen, Brittany" <bolen.brittany@epa.gov>, "Laity, Jim A. EOP/OMB" <James_A. Ex. 6 - Personal Privacy @omb.eop.gov>, "Samantha Dravis (Dravis.samantha@Epa.gov)" <Dravis.samantha@Epa.gov>, "Mancini, Dominic J. EOP/OMB" <Dominic_J. Ex. 6 - Personal Privacy @omb.eop.gov>, "Palmieri, Rosario A. EOP/OMB" < Ex. 6 - Personal Privacy @omb.eop.gov>, "McGartland, Al (McGartland.Al@epa.gov)" <McGartland.Al@epa.gov>, "Szabo, Aaron L. EOP/OMB" < Ex. 6 - Personal Privacy @omb.eop.gov>

Subject: Summary of Interagency Comments under EO12866 for EPA Draft Proposed Rule -- Body of Regulatory Impact Analysis -- Review of the Clean Power Plan (RIN 2060-AT55)

Attached please find the summary of interagency comments under EO 12866 for the body of the Regulatory Impact Analysis (RIA) for the EPA draft proposed rule entitled, "Review of the Clean Power Plan" (RIN 2060-AT55).

Please let me know if you have any questions.

Thank you very much.

Aaron L. Szabo

Policy Analyst

Office of Information and Regulatory Affairs

Office of Management and Budget

202-395-3621

Ex. 6 - Personal Privacy @omb.eop.gov

To: Wayland, Robertj[Wayland.Robertj@epa.gov]
From: Fann, Neal
Sent: Wed 12/6/2017 2:58:01 PM
Subject: RE: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Just an FYI—I'm going to participate remotely via the webinar connection.

From: Wayland, Robertj
Sent: Wednesday, December 06, 2017 9:50 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: RE: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Neal –

Is this something you would like to attend, or were you just sending this to me as an FYI?

Bob

Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail Code – C539-07 I

Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711
|

Desk: 919-541-1045 | Cell: 919-306-2290 | Fax: 919-541-5315 |

Note: Positions or views expressed here do not represent official EPA policy. Interagency Deliberative and Confidential

From: Fann, Neal
Sent: Wednesday, December 06, 2017 7:19 AM
To: Wayland, Robertj <Wayland.Robertj@epa.gov>
Subject: FW: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

FYI

From: Resources for the Future [<mailto:events@rff.org>]
Sent: Tuesday, December 05, 2017 4:47 PM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Assessing the implications of repeal for public health and other policy decisions.

[View this email in your browser.](#)

What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

An RFF Seminar

December 13, 2017 12:45–2:00 p.m. EST | Light lunch available at 12:30 p.m.

**Resources for the Future | 1616 P Street NW, Washington, DC
20036**

Register to attend or RSVP to watch the live webcast.

In October, the Trump administration put forward a decision to repeal the Clean Power Plan, citing analysis showing that the costs of the rule exceed its benefits. This analysis laid out several important precedents that are relevant not only for the Clean Power Plan but also for regulatory analysis in general. These include a revised estimate of the social cost of carbon that changes the calculation of the climate benefits from reducing carbon dioxide emissions, as well as different approaches for the treatment of ancillary public health benefits, the savings from improved fuel efficiency, and more.

This RFF seminar will explore the implications of each of these revisions for potential future climate and energy policy decisions. RFF's Alan Krupnick will reflect on the decision's treatment of health benefits, and Harvard University's Kathy Fallon Lambert will present new research on how repealing the Clean Power Plan would impact public health. RFF's Dallas Burtraw will conclude the seminar with a discussion of how a revised "inside the fence line" approach to Clean Power Plan compliance might work.

Speakers

- Dallas Burtraw, Darius Gaskins Senior Fellow, Resources for the Future
- Kathy Fallon Lambert, Director of the Science Policy Exchange, Harvard Forest, Harvard University
- Alan J. Krupnick, Senior Fellow, Resources for the Future

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To: Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]; Macpherson, Alex (Macpherson.Alex@epa.gov)[Macpherson.Alex@epa.gov]; Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Fann, Neal
Sent: Wed 12/6/2017 12:46:26 PM
Subject: FW: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Just in case you guys hadn't received this

From: Resources for the Future [mailto:events@rff.org]
Sent: Tuesday, December 05, 2017 4:47 PM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Assessing the implications of repeal for public health and other policy decisions.

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Speakers

- Dallas Burtraw, Darius Gaskins Senior Fellow, Resources for the Future
- Kathy Fallon Lambert, Director of the Science Policy Exchange, Harvard Forest, Harvard University
- Alan J. Krupnick, Senior Fellow, Resources for the Future

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To: Wayland, Robertj[Wayland.Robertj@epa.gov]
From: Fann, Neal
Sent: Wed 12/6/2017 12:18:38 PM
Subject: FW: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

FYI

From: Resources for the Future [mailto:events@rff.org]
Sent: Tuesday, December 05, 2017 4:47 PM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Assessing the implications of repeal for public health and other policy decisions.

[View this email in your browser.](#)

What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

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Speakers

- Dallas Burtraw, Darius Gaskins Senior Fellow, Resources for the Future
- Kathy Fallon Lambert, Director of the Science Policy Exchange, Harvard Forest, Harvard University
- Alan J. Krupnick, Senior Fellow, Resources for the Future

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To: Bailey, Chad[bailey.chad@epa.gov]
Cc: Davidson, Ken[Davidson.Ken@epa.gov]; Hoyer, Marion[hoyer.marion@epa.gov]
From: Fann, Neal
Sent: Mon 10/16/2017 3:19:05 PM
Subject: RE: October 12 Enstrom NEJM Letter on NO PM2.5 Deaths in US
[RLSO CPP Proposal.FR Notice.10.04.2017 Summary of Interagency Comments.docx](#)
[CPP repeal RIA exec summary 100417 RLSO Summary of Interagency Comments.....docx](#)
[EO12866 CPP Repeal 2060-AT55 Proposal RIA body interagency comments.docx](#)

Chad,

Below is the interagency comment we received related to differential toxicity. Attached are the redline edits we received from OMB. Let me know if this gives you what you need.

Thanks,

Neal

Comment 2

Although some scientific experiments have found differential toxicity among species of particulate matter, EPA, with CASAC's endorsement, has concluded that the scientific evidence is not yet sufficient to allow differentiation of benefits estimates by particle type. However, this assumption of equal toxicity contributes to the uncertainty associated with particulate matter benefits estimates because fine particles vary considerably in composition across sources. For instance, particulate matter indirectly produced via transported precursors emitted from electrical generating utilities (EGUs) may differ significantly in composition from direct particulate matter released by other industrial sources. Similarly, gasoline and diesel engine emissions differ. As such, reviewer recommends that EPA more prominently discuss and quantitatively explore the uncertainty in its benefits assessments that is introduced by the assumption that all PM species are equal, and thus any control strategy that limits total PM is equivalently beneficial for achieving PM2.5 health co-benefits estimated in the CPP rule. Sensitivity analyses that included differentiation of toxicity among particle species based on existing literature could help to clarify the significance of this uncertainty to the overall benefits estimates.

From: Bailey, Chad
Sent: Monday, October 16, 2017 9:41 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Cc: Davidson, Ken <Davidson.Ken@epa.gov>; Hoyer, Marion <hoyer.marion@epa.gov>
Subject: FW: October 12 Enstrom NEJM Letter on NO PM2.5 Deaths in US

Hey Neal,

I saw this note this morning, and read your reference to OMB commenting about differential toxicity. Is that in regards to PM2.5 and composition? I'd be interested seeing what they sent (and if we responded, how). Thank you!

Chad R. Bailey, MPH

USEPA Office of Transportation and Air Quality

2000 Traverwood Drive

Office S88

Ann Arbor, MI 48105

Phone: 734-214-4954

Fax: 734-214-4821

From: Davidson, Ken
Sent: Friday, October 13, 2017 12:23 PM
To: Sargeant, Kathryn <sargeant.kathryn@epa.gov>; Hoyer, Marion <hoyer.marion@epa.gov>; Bailey, Chad <bailey.chad@epa.gov>; Cook, Rich <Cook.Rich@epa.gov>; Helfand, Gloria <helfand.gloria@epa.gov>; Zawacki, Margaret <zawacki.margaret@epa.gov>; Wolfe, Philip <wolfe.philip@epa.gov>
Subject: FW: October 12 Enstrom NEJM Letter on NO PM2.5 Deaths in US

Neal sent this along yesterday. Good reading if you're not prone to heartburn!

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal

Sent: Thursday, October 12, 2017 12:25 PM

To: Davidson, Ken <Davidson.Ken@epa.gov>

Subject: FW: October 12 Enstrom NEJM Letter on NO PM2.5 Deaths in US

From: Fann, Neal

Sent: Thursday, October 12, 2017 7:13 AM

To: Sasser, Erika <Sasser.Erika@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>;
Wesson, Karen <Wesson.Karen@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: RE: October 12 Enstrom NEJM Letter on NO PM2.5 Deaths in US

One quick addendum—I've pasted Di, Schwartz and Domenici's response to Enstrom's letter below.

Enstrom points to some studies with null findings that we did not cite. Our conclusions would not have changed on the basis of which of the hundreds of studies of air pollution we might have cited. This is because our study is not a meta-analysis. It is an analysis

of new nationwide data and an assessment of exposure with high spatial resolution (i.e., daily PM_{2.5} and ozone concentrations for nationwide grids that were 1 km by 1 km), and we reported strong, not weak associations. Sensitivity analyses showed that smoking and socioeconomic status are unlikely to confound the association, and we controlled for spatial variation (see the Supplementary Appendix, available with the full text of our article at NEJM.org). Moreover, meta-analyses of all published cohort studies show strong, robust associations of PM_{2.5} with mortality,³ and two recent studies have shown similar associations with the use of causal modeling techniques.^{4,5} The Medicare beneficiary denominator file from the Centers for Medicare and Medicaid Services is a publicly available data source, and therefore this study can be independently replicated.

Qian Di, M.S.
Francesca Dominici, Ph.D.
Joel D. Schwartz, Ph.D.
Harvard T.H. Chan School of Public Health, Boston, MA
fdominic@hsph.harvard.edu

Since publication of their article, the authors report no further potential conflict of interest.

From: Fann, Neal
Sent: Wednesday, October 11, 2017 8:13 PM
To: Sasser, Erika <Sasser.Erika@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Wesson, Karen <Wesson.Karen@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>
Subject: Fw: October 12 Enstrom NEJM Letter on NO PM2.5 Deaths in US

Not sure if you all received this separately.

Ex. 5 - Deliberative Process

From: James E. Enstrom <jenstrom@ucla.edu>
Sent: Wednesday, October 11, 2017 7:30:28 PM
To: 'C. Arden Pope III'
Cc: 'W. Ryan Diver'
Subject: October 12 Enstrom NEJM Letter on NO PM2.5 Deaths in US

October 11, 2017

Dear Professor Pope,

I want you to be aware that there is overwhelming scientific evidence that fine particulate matter (PM_{2.5}) does not cause premature deaths in the United States, as summarized in my October 12, 2017 *NEJM* Letter to the Editor shown below. You have lead the effort to deliberately exaggerate and misrepresent the relationship between PM_{2.5} and total mortality during the past 25 years using secret data and unverifiable analyses. Your claims of deaths caused by PM_{2.5} have been inappropriately used to provide a public health justification for many multibillion dollar EPA regulations, including the Clean Power Plan. Fortunately, EPA is beginning the process of revoking the Clean Power Plan and is currently reassessing the PM_{2.5} health effects evidence. I am in the process of showing that PM_{2.5} has never caused premature deaths in the United States.

Sincerely yours,

James E. Enstrom, PhD, MPH, FACE

UCLA and Scientific Integrity Institute

jenstrom@ucla.edu

<http://www.nejm.org/doi/full/10.1056/NEJMc1709849>

New England Journal of Medicine Correspondence

Air Pollution and Mortality in the Medicare Population

N Engl J Med 2017; 377:1497-1499 [October 12, 2017](#) DOI: 10.1056/NEJMc1709849

To the Editor:

The article by Di et al. contains weak noncausal evidence that PM_{2.5} is related to total mortality in the Medicare population. It does not cite the previous evidence reported by Zeger et al.^{[1](#)} of a large, unexplained geographic variation in the risk of death associated with PM_{2.5} and of no risk of death associated with PM_{2.5} if the risk is based on a local regression coefficient that indicates the association between location-specific trends in pollution and mortality, as described in the detailed statistical analysis reported by Greven et al.^{[2](#)}

The article by Di and colleagues also does not cite recent data showing no risk of death associated with PM_{2.5} in the National Institutes of Health–American Association of Retired

Persons Diet and Health Study cohort³ and the Cancer Prevention Study cohort.⁴ We think that before the findings of the federally funded study by Di et al. are accepted as valid, the underlying Medicare data should be analyzed independently in accordance with the HONEST (Honest and Open New EPA Science Treatment) Act.⁵

James E. Enstrom, Ph.D., M.P.H.
University of California, Los Angeles, Los Angeles, CA
jenstrom@ucla.edu

No potential conflict of interest relevant to this letter was reported.

5 References

1. Zeger SL, Dominici F, McDermott A, Samet JM. Mortality in the Medicare population and chronic exposure to fine particulate air pollution in urban centers (2000-2005). *Environ Health Perspect* 2008;116:1614-1619
[CrossRef](#) | [Web of Science](#) | [Medline](#)
2. Greven S, Dominici F, Zeger S. An approach to the estimation of chronic air pollution effects using spatio-temporal information. *J Am Stat Assoc* 2011;106:396-406
[CrossRef](#) | [Web of Science](#) | [Medline](#)
3. Thurston GD, Ahn J, Cromar KR, et al. Ambient particulate matter air pollution exposure and mortality in the NIH-AARP Diet and Health cohort. *Environ Health Perspect* 2016;124:484-490
[Web of Science](#) | [Medline](#)
4. Enstrom JE. Fine particulate matter and total mortality in cancer prevention study cohort reanalysis. *Dose Response* 2017;15:1559325817693345-1559325817693345
[CrossRef](#) | [Web of Science](#)
5. H.R. 1430, Honest and Open New EPA Science Treatment (HONEST) Act of 2017 (<http://www.govtrack.us/congress/bills/115/hr1430/text>).

To: Davidson, Ken[Davidson.Ken@epa.gov]; Pekar, Zachary[Pekar.Zachary@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]; Kamal, Ali[Kamal.Ali@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]
Cc: Hetes, Bob[Hetes.Bob@epa.gov]; Jenkins, Scott[Jenkins.Scott@epa.gov]; Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Fann, Neal
Sent: Wed 8/2/2017 6:08:00 PM
Subject: RE: For your review: initial responses to CPP interagency comments

Ken,

Thanks for the feedback. I've rolled in your changes.

Alex is the project lead, and I've cc'd him on this note. Alex, in my absence, would you be willing to share with Ken your responses to the other comments?

Thanks,

Neal

From: Davidson, Ken
Sent: Wednesday, August 02, 2017 12:54 PM
To: Fann, Neal <Fann.Neal@epa.gov>; Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>
Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>
Subject: RE: For your review: initial responses to CPP interagency comments

Hi Neal,

Thanks for the opportunity to review. I added a couple of small comments to the doc. I'm also interested in how y'all will be responding to some of the other comments – for example:

- Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Do you know who is working on these responses? Thanks,

Ken

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal

Sent: Tuesday, August 01, 2017 4:59 PM

To: Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>;
Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Davidson, Ken
<Davidson.Ken@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: For your review: initial responses to CPP interagency comments

Hi benefits team

I've been asked to draft brief responses to the two benefits-related CPP comments. As you have time on Wednesday, can you please review and revise this two- pager? Please feel free to modify and comment upon the SharePoint version directly. Our goal is to provide Erika with a terse response that she can use to speak from, rather than an exhaustive review of the state of the science.

Thanks in advance for your help!

-Neal

To: Henry Roman[HRoman@indecon.com]
From: Fann, Neal
Sent: Tue 11/7/2017 12:11:22 PM
Subject: FW: Benefit per Ton Analysis

Henry—per our discussion on Friday, please see below. Thought this might provide some helpful context for the BPT validation project.

From: Lindsey Jones [mailto:Lindsey.Jones@tceq.texas.gov]
Sent: Monday, November 06, 2017 5:02 PM
To: Sasser, Erika <Sasser.Erika@epa.gov>
Cc: McGartland, Al <McGartland.Al@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Wayland, Richard <Wayland.Richard@epa.gov>; Fox, Tyler <Fox.Tyler@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>; Michael Honeycutt <Michael.honeycutt@tceq.texas.gov>; Sabine Lange <Sabine.Lange@tceq.texas.gov>
Subject: RE: Benefit per Ton Analysis

Hi Erika,

Thank you so much for making time to meet with us! Wednesday afternoon at 2 pm Central would be great. Would you mind sending me the best number for you? Or would it be easier to set up a conference line (in the event that people are calling from different locations)?

Our questions are probably a bit basic at this point. We are not economists; we are health risk assessors, one of whom is fairly familiar with BenMAP. We were hoping that you could walk us through the BPT estimate from the rule in more detail. For example, how or from where you compiled the baseline data, if/how that data was combined with monitoring data, if/how the data was aggregated to the regional and national levels. We also had questions about how BenMAP was used in the BPT estimate. For example, the RIA for the CPP repeal states that modeling and monitoring data were not available, but monitoring/modeling data would be required to input into BenMAP to generate benefits estimates. Related to that, what is the value of using benefits-per-ton calculations (which add more uncertainties), if the benefits from modeling the attainment of the CPP had already been calculated?

Thank you, again, and we're looking forward to talking with you,

Lindsey

From: Sasser, Erika [<mailto:Sasser.Erika@epa.gov>]
Sent: Monday, November 6, 2017 1:59 PM
To: Lindsey Jones <Lindsey.Jones@tceq.texas.gov>
Cc: McGartland, Al <McGartland.Al@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>;
Wayland, Robertj <Wayland.Robertj@epa.gov>; Wayland, Richard
<Wayland.Richard@epa.gov>; Fox, Tyler <Fox.Tyler@epa.gov>; Fann, Neal
<Fann.Neal@epa.gov>
Subject: FW: Benefit per Ton Analysis

Hi Lindsey—

I understand you have some questions for us about the BPT method as applied in the Clean Power Plan RIAs. We'd be happy to schedule time to talk with you and your colleagues about it. Based on the times you've indicated, we're thinking Wednesday afternoon might be best, either 2 pm or 3 pm central time. However, there are many inputs to these calculations, so it would be helpful to have a clearer understanding of your questions prior to our discussion. Could you provide a little more detail about which aspects of the method you'd like to focus on? That way we can be sure we have the right experts on hand. We have a number of people out on travel and I want to be sure we can fully address your questions.

Thanks,

Erika

Erika N. Sasser, Ph.D.

Director, Health and Environmental Impacts Division

Office of Air Quality Planning & Standards, U.S. EPA

109 T.W. Alexander Drive, MD C504-02, RTP, NC 27711

(919) 541-3889 sasser.erika@epa.gov

From: Lindsey Jones [<mailto:Lindsey.Jones@tceq.texas.gov>]

Sent: Friday, November 03, 2017 2:43 PM

To: McGartland, Al <McGartland.Al@epa.gov>

Cc: Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: Benefit per Ton Analysis

Hi and thank you for your response! I will be bringing Sabine Lange and potentially Mike Honeycutt (depending on scheduling).

The following dates and times (central) are open for us.

- Tuesday, November 7: 9-11 am or 2-4 pm
- Wednesday, November 8: 9-10 am or 1-4 pm
- Friday, November 10: 9 am-4 pm
- Tuesday, November 14: 11 am-4 pm

I look forward to speaking with you.

Have a great weekend,

Lindsey

From: McGartland, Al [<mailto:McGartland.Al@epa.gov>]

Sent: Friday, November 3, 2017 7:04 AM

To: Lindsey Jones <Lindsey.Jones@tceq.texas.gov>

Cc: Marten, Alex <Marten.Alex@epa.gov>

Subject: Re: Benefit per Ton Analysis

Hi. Thank you for your email. I'm out of the office today. But will follow up on Monday.

I think arranging a phone conversation with the right people from epa should be doable. Given that the analysis is out for public comment we may have to take steps to docket our meeting as well.

I would want to have Neal Fann and perhaps others from our air office participate as well. I'm CC'ing Alex Marten, the acting deputy in NCEE as well. (Alex also is pivotal for our future conversations.).

Have a nice weekend.

If there are days and times where a phone meeting would work for your schedule can you send them to Alex and me?

Sent from my iPhone

On Nov 2, 2017, at 4:52 PM, Lindsey Jones <Lindsey.Jones@tceq.texas.gov> wrote:

Good afternoon,

I am a toxicologist with the Texas Commission on Environmental Quality. My colleague and I are currently reviewing the Clean Power Plan Repeal RIA (particularly the health co-benefits portion) and wondered if you or one of your staff would have time to talk with us about the benefit per ton method. We have read through the proposed and final Clean Power Plan RIA, the repeal RIA, the Benefit per Ton TSD, and the Fann et al. (2009) and (2012) papers, but we were hoping we could get additional clarification on methodological steps, inputs, and assumptions. We truly appreciate any help that you could provide and would be happy to work around your schedule.

Best regards,

Lindsey

Lindsey Jones

Senior Toxicologist, Toxicology Division

Texas Commission on Environmental Quality

To: Wayland, Robertj[Wayland.Robertj@epa.gov]
Cc: Coffman, Evan[Coffman.Evan@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Kamal, Ali[Kamal.Ali@epa.gov]
From: Fann, Neal
Sent: Tue 11/7/2017 12:08:45 PM
Subject: RE: TCEQ

Just to echo Bob's note—I think you all will find the discussion informative, so if you're able to join us, please feel free to do so.

From: Wayland, Robertj
Sent: Monday, November 06, 2017 5:32 PM
To: Fann, Neal <Fann.Neal@epa.gov>
Cc: Coffman, Evan <Coffman.Evan@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>
Subject: FW: TCEQ

There is a discussion on Wednesday afternoon of this with Texas CEQ on the benefits assessment for the repeal of the CPP. Neal will definitely need to be there, but if you're interested in hearing the discussion with TCEQ, feel free to join us in C400-C from 3- 4 pm. The scheduler originally came from Erika's calendar, so I'm not forwarding it directly to you. However, per her note below, you're welcome if interested.

Bob

Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail Code – C539-07 I

Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711
|

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From: Sasser, Erika

Sent: Monday, November 06, 2017 5:21 PM

To: Wayland, Robertj <Wayland.Robertj@epa.gov>; Fox, Tyler <Fox.Tyler@epa.gov>

Subject: TCEQ

I wasn't sure who was critical for TCEQ discussion besides Neal, so please forward to staff you wish to include. Thanks

Cc: Hetes, Bob[Hetes.Bob@epa.gov]; Jenkins, Scott[Jenkins.Scott@epa.gov]
To: Pekar, Zachary[Pekar.Zachary@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]; Kamal, Ali[Kamal.Ali@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Davidson, Ken[Davidson.Ken@epa.gov]
From: Fann, Neal
Sent: Tue 8/1/2017 11:58:48 PM
Subject: For your review: initial responses to CPP interagency comments

Hi benefits team

I've been asked to draft brief responses to the two benefits-related CPP comments. As you have time on Wednesday, can you please review and revise this [two- pager?](#) Please feel free to modify and comment upon the SharePoint version directly. Our goal is to provide Erika with a terse response that she can use to speak from, rather than an exhaustive review of the state of the science.

Thanks in advance for your help!

-Neal

To: Keating, Martha[keating.martha@epa.gov]; Sasser, Erika[Sasser.Erika@epa.gov]; Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]; Wesson, Karen[Wesson.Karen@epa.gov]
Cc: Scavo, Kimber[Scavo.Kimber@epa.gov]; CurryBrown, Amanda[CurryBrown.amanda@epa.gov]
From: Fann, Neal
Sent: Mon 7/31/2017 2:25:33 PM
Subject: RE: 1:1 July 31, 2017 - repeal update

Martha,

This is the workshop Amanda is leading. We're meeting with staff from the Stockholm Environment Institute to discuss next steps for developing the LEAP-IBC tool; this work is funded in part by the State Department Interagency Agreements. I've copied her on this note; she can provide further details.

-Neal

From: Keating, Martha
Sent: Monday, July 31, 2017 10:13 AM
To: Sasser, Erika <Sasser.Erika@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>; Wesson, Karen <Wesson.Karen@epa.gov>
Cc: Scavo, Kimber <Scavo.Kimber@epa.gov>
Subject: FW: 1:1 July 31, 2017 - repeal update
Importance: High

Hi all –

Please see Pete's note below asking for more info for the 1:1.

I am not familiar with this one so if one of you could chime in here that would be great!

Thanks

mk

Martha Keating|Policy Advisor, Health and Environmental Impacts Division|U.S. EPA, RTP,
NC, 27711|(919) 541-9407

From: South, Peter
Sent: Monday, July 31, 2017 9:55 AM
To: Keating, Martha <keating.martha@epa.gov>
Subject: RE: 1:1 July 31, 2017 - repeal update

Thanks, Martha. We probably also need to raise the “Long Range Alternative Planning—Integrated Benefits Calculator Workshop” HEID is planning for in late August.

From: Keating, Martha
Sent: Monday, July 31, 2017 9:28 AM
To: South, Peter <South.Peter@epa.gov>
Cc: Sasser, Erika <Sasser.Erika@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber <Scavo.Kimber@epa.gov>
Subject: 1:1 July 31, 2017 - repeal update

Hi Pete –

For today’s 1:1 as we discussed.

Thanks

Mk

-

CPP Repeal Proposal RIA

-

- a. We received extensive comments from OMB on the RIA

Ex. 5 - Deliberative Process

Martha Keating|Policy Advisor, Health and Environmental Impacts Division|U.S. EPA, RTP,
NC, 27711|(919) 541-9407

To: Hetes, Bob[Hetes.Bob@epa.gov]
From: Fann, Neal
Sent: Tue 8/29/2017 4:03:27 PM
Subject: RE: Benefits Approach for CPP Repeal RIA - Room C500A

I spoke with Erika this morning and she confirmed that the OMB meeting will indeed occur earlier than we originally thought. The team is meeting with Erika this Thursday morning, after Ali has returned from PA.

From: Hetes, Bob
Sent: Tuesday, August 29, 2017 11:03 AM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: RE: Benefits Approach for CPP Repeal RIA - Room C500A

Neal

It seems like this has been moved up. Was this the Benefits team meeting you were referring to or is this more formal with Erika?

Bob

-----Original Appointment-----

From: Sasser, Erika
Sent: Tuesday, August 29, 2017 10:06 AM
To: Sasser, Erika; Fann, Neal; Kamal, Ali; Hetes, Bob; Coffman, Evan; Chan, Elizabeth
Cc: Weatherhead, Darryl; Macpherson, Alex; Wayland, Robertj
Subject: Benefits Approach for CPP Repeal RIA - Room C500A
When: Thursday, August 31, 2017 11:00 AM-11:30 AM (UTC-05:00) Eastern Time (US & Canada).
Where: RTP-C500A-Max40/RTP-Bldg-C

From: Fann, Neal
Location: RTP-C500A-Max40/RTP-Bldg-C
Importance: Normal
Subject: Accepted: Benefits Approach for CPP Repeal RIA - Room C500A
Start Date/Time: Thur 8/31/2017 3:00:00 PM
End Date/Time: Thur 8/31/2017 3:30:00 PM

To: Sasser, Erika[Sasser.Erika@epa.gov]
From: Fann, Neal
Sent: Tue 8/29/2017 11:15:19 AM
Subject: RE: Clean Power Plan benefits analysis

Hi Erika,

Yes, that sounds like a good plan. My note to the team below was intended to get the wheels moving, and I expect the team will be able to share with you a detailed plan by early/mid next week if that works for you.

-Neal

From: Sasser, Erika
Sent: Monday, August 28, 2017 4:36 PM
To: Fann, Neal <Fann.Neal@epa.gov>
Subject: RE: Clean Power Plan benefits analysis

Hi—Do you want to wait until Friday (or next week) to meet with me? I want you to have enough time to work through best approach, so if it makes sense to wait a few more days, that's fine. I'll hold off until tomorrow to ask Kristal to schedule something.

From: Fann, Neal
Sent: Monday, August 28, 2017 3:47 PM
To: Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>
Cc: Sasser, Erika <Sasser.Erika@epa.gov>; Hetes, Bob <Hetes.Bob@epa.gov>
Subject: Clean Power Plan benefits analysis

Hi benefits team,

We've been asked to propose an approach for **Ex. 5 - Deliberative Process**

Ex. 5 - Deliberative Process

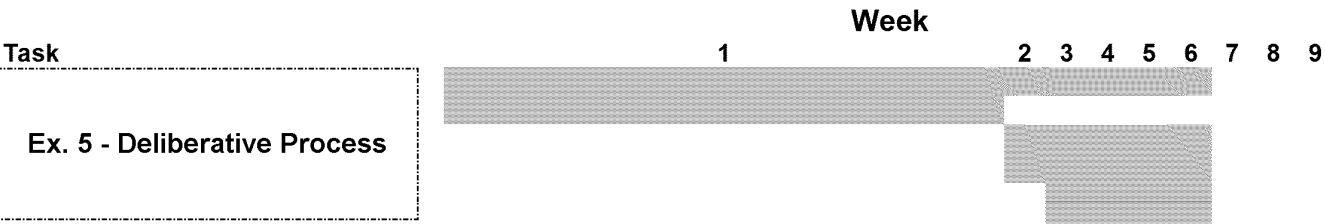
Ex. 5 - Deliberative Process

Ali returns to the office on Thursday, and so I will schedule a meeting with you all for later this week.

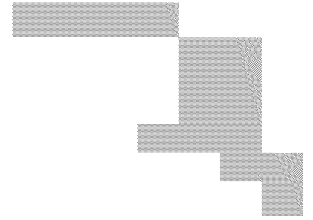
Thanks,

Neal

Overall timing of tasks for revised proposal RIA*



Ex. 5 - Deliberative Process



Neal Fann

Health and Environmental Impacts Division

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

109 TW Alexander Drive (C539-07)

Research Triangle Park, NC 27711

Phone: (919) 541-0209

To: Kamal, Ali[Kamal.Ali@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]
Cc: Sasser, Erika[Sasser.Erika@epa.gov]; Hetes, Bob[Hetes.Bob@epa.gov]
From: Fann, Neal
Sent: Mon 8/28/2017 7:47:30 PM
Subject: Clean Power Plan benefits analysis
[draft interagency review response timeline 082517.docx](#)

Hi benefits team,

We've been asked to propose an approach

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

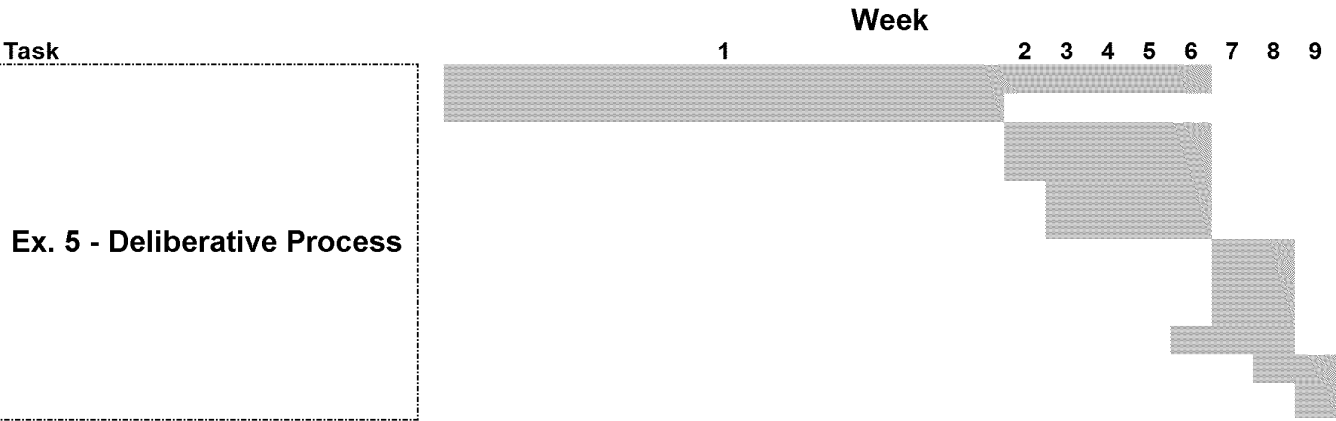
Ex. 5 - Deliberative Process

Ali returns to the office on Thursday, and so I will schedule a meeting with you all for later this week.

Thanks,

Neal

Overall timing of tasks for revised proposal RIA*



Neal Fann

Health and Environmental Impacts Division

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

109 TW Alexander Drive (C539-07)

Research Triangle Park, NC 27711

Phone: (919) 541-0209

To: Wayland, Robertj[Wayland.Robertj@epa.gov]; Sasser, Erika[Sasser.Erika@epa.gov]
From: Fann, Neal
Sent: Wed 10/11/2017 3:48:23 PM
Subject: WaPo article re: PM benefits

FYI

The Energy 202: The other scientific consensus the EPA is bucking

By [Dino Grandoni](#) October 11 at 10:19 AM

THE LIGHTBULB

Scott Pruitt talking to a reporter after announcing in Hazard, Ky., on Monday that he Trump administration will abandon the Clean Power Plan. (AP Photo/Adam Beam)

The Trump administration skepticism of climate-change science is no secret.

But there's another scientific consensus the Environmental Protection Agency just bucked on Tuesday when it announced it is unraveling the Obama administration's effort to reduce carbon dioxide emissions from the nation's electricity sector known as the Clean Power Plan.

That would be the scientific agreement that there is no safe level of coal-fired power plant pollution that is healthy to breathe.

"There's a scientific consensus that we've been unable to find any threshold," said George D. Thurston, a professor of environmental medicine at New York University, adding that saying otherwise is "completely in conflict with scientific knowledge."

On Tuesday, EPA head Scott Pruitt submitted a proposal to repeal the CPP. By attempting to cut carbon emissions from the nation's power plants nearly a third by 2030 compared to 2005 levels, the CPP was a key component of the U.S. effort to meet the goals of the Paris climate agreement.

For those inside the Trump administration unconvinced by the large body of scientific evidence establishing that those carbon emissions contribute to the warming of the atmosphere, such a reduction felt like a wasteful, economically detrimental effort, especially to coal miners and coal companies that President Trump promised to save.

But Obama's EPA claimed the opposite: The CPP would be an economic boon.

Obama's argument: Obama's EPA justified the CPP by calculating, in dollar terms, the economic damage that manmade climate change has on the world's economy — a figure dubbed the "social cost of carbon." Pruitt now asserts that the previous administration greatly overestimated that cost. (The Post's Chris Mooney has [a must-read piece](#) for anyone who wants to understand the social cost of carbon, and the math the EPA used to come to its conclusions.)

The Obama administration also tallied the public-health benefits of the CPP, including the widespread health benefits of reducing a deadly class of pollutants from power plants called particulate matter.

These microscopic pieces — kicked up from soil by the wind, burst from volcanoes or forest fires or, since 20th century, spurted from smokestacks and tailpipes — are a main component of smog and are known to lead to lung, heart and other health problems. When coal is burned for generating electricity, fine particulates are emitted alongside carbon dioxide. **Long-term exposure to some of the tiniest of these particles called PM2.5, so small they can enter the bloodstream, can kill.**

More than a half century ago, long before the scientific underpinnings of human-caused global warming were established, Congress was certain enough of the negative health effects of particulate matter and other smog-forming pollutants that it passed the 1963 Clean Air Act. That and subsequent air-pollution legislation empowered the federal government, through the EPA when it was formed in 1970, to regulate such emissions.

So the EPA did — to great effect, significantly reducing smog in U.S. cities from the hazy days of the 1970's.

But population health experts say the public could benefit by reducing them even further. **As the scientific evidence continues to mount about smog, researchers struggled to identify a "safe" level of PM2.5, according to Thurston.**

"What they're considering doing is using some math manipulations to discount the value of health effects that happen from particulate matter, and the way they want to do this apparently to say that there's some magical level below which there are no effects of air pollution," Thurston said. "That assumption is analogous to and as specious as saying passengers in automobiles are at absolutely no risk of being hurt in a car accident if they're traveling below the legal speed limit."

Trump's argument: But instead of arguing that those gains in air quality simply aren't enough to justify the jobs and revenue lost from closing coal plants, **Pruitt's EPA contends that below a certain threshold, those benefits don't exist at all.**

In its new "[Regulatory Impact Analysis](#)" published alongside Pruitt's notice that EPA would undertake rulemaking to undo the CPP, the Trump administration "considers two scenarios in which the risk of death 'falls to zero' at certain low concentrations of fine particulates in the air," [writes](#) Mooney. "In one of them, the agency assumes there's no more risk below the levels currently required by the National Ambient Air Quality Standards, which is 12 micrograms per cubic meter."

The facts: Air-quality experts say there is just no evidence to back up that claim.

"If you're an area that is at 11, and the Clean Power Plan will push you to 9, under that assumption it says there are no health benefits," said Jonathan Buonocore, an environmental health researcher at Harvard, told Mooney. "There's no evidence this is true. Time and time again ... we keep finding health benefits when air quality gets better, even in areas that are in attainment with the rules."

As recently as June, for example, [a study](#) in the New England Journal of Medicine found significant evidence of adverse effects related to PM2.5 exposure at concentrations below 12 micrograms.

"There are lots of studies, [including my own](#), that show that lower pollution levels reduce adverse health effects," Thurston added, "even when it's below the standard."

The EPA has previously made that claim too, [according to Jennifer A. Dlouhy at Bloomberg News](#). "The EPA has historically said there is no safe threshold for particulate matter, a conclusion that dovetails with a series of public health studies and underlies a host of other federal regulations governing power plant pollution."

Or as Emily Aktin at The New Republic wrote of EPA officials on Tuesday: "They'll ignore both mainstream science on air pollution's health impacts and the global economic costs of climate change."

The response: Replying to criticism of its plan, the EPA said via email that its "analyses are designed to increase transparency rather than imply a specific lower bound on the size of the health co-benefits."

“The facts are that the Obama administration’s estimates and analysis of costs and benefits was, in multiple areas, highly uncertain and/or controversial,” the EPA added.

Pruitt often states his desire to bring the EPA back to "agency's core mission," which he believes Obama neglected during his time in office. Part of that mission has been regulating the particulate matter pollution explicitly mentioned in the laws underpinning the agency.

The administrator has not said anything publicly to suggest he believes smog isn't bad for you. Indeed, Pruitt lamented in an interview with The Washington Examiner that Obama also left "air quality standards in 40 percent of the country in nonattainment" by not adequately enforcing smog-control standards.

Neal Fann

Health and Environmental Impacts Division

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

109 TW Alexander Drive (C539-07)

Research Triangle Park, NC 27711

Phone: (919) 541-0209

From: Fann, Neal
Location: RTP-C400A-Max40/RTP-Bldg-C
Importance: Normal
Subject: Accepted: CPP Repeal RIA - Room C400A - Call In Ex. 6 - Personal Privacy
Start Date/Time: Tue 10/24/2017 7:00:00 PM
End Date/Time: Tue 10/24/2017 8:00:00 PM

To: Macpherson, Alex[Macpherson.Alex@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Weatherhead, Darryl
Sent: Wed 9/13/2017 10:19:44 PM
Subject: Fwd: CPP RIA Memo
[CPP Repeal RIA Update for OMB.docx](#)
[ATT00001.htm](#)

Sent from my iPhone

Begin forwarded message:

From: "Sasser, Erika" <Sasser.Erika@epa.gov>
Date: September 13, 2017 at 5:15:15 PM EDT
To: "McGartland, Al" <McGartland.Al@epa.gov>
Cc: "Marten, Alex" <Marten.Alex@epa.gov>, "Weatherhead, Darryl" <Weatherhead.Darryl@epa.gov>, "Wayland, Robertj" <Wayland.Robertj@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>, "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Harvey, Reid" <Harvey.Reid@epa.gov>, "Snyder, Carolyn" <Snyder.Carolyn@epa.gov>
Subject: CPP RIA Memo

Al—

Attached is the revised text. This includes a couple of small edits that folks sent me re: duplicative sentences, headings, removing mention of the NODA, etc. Also includes revisions to the paragraphs on p. 3 regarding our commitment to future additional analysis that will go through public comment. Please read this subsection carefully.

I'm good to go with this version, unless someone sees a burning issue. Al, please copy Sarah and Mandy when you send to Samantha and Brittany.

Also, my plan is to reach out to Jim Laity tomorrow morning relatively early (i.e., 9:30, which I think is early for OMB) and see if we can set up a call. I assume the managers on this email plus relevant staff would be included.

Thanks,

Erika

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Weatherhead, Darryl
Sent: Tue 10/10/2017 6:55:44 PM
Subject: Re: Please post CPP

Thanks

Sent from my iPhone

> On Oct 10, 2017, at 1:34 PM, Keaveny, Brian <Keaveny.Brian@epa.gov> wrote:
>
> Hey Darryl,
>
> Just FYI, I ran into a technical issue uploading the RIA and have asked Rob Wildermann to upload the RIA to another EPA server for now. This way we won't hold things up while I troubleshoot my IT issue.
>
> We can upload the file to ECAS and relink to it down the road once we get things working properly.
>
> - Brian
>
> From: Keaveny, Brian
> Sent: Tuesday, October 10, 2017 1:24 PM
> To: Ashley, Jackie <Ashley.Jackie@epa.gov>; Wildermann, Rob <Wildermann.Rob@epa.gov>
> Cc: ITG Web Team <ITGWebTeam@epa.gov>
> Subject: RE: Please post CPP
>
> Hi Rob,
>
> As I just mentioned on the phone, I'm having some IT issue preventing me from uploading the RIA PDF onto the ECAS site that I manage. So, I can't provide you a link to it now.
>
> I understand that you need to get this PDF online ASAP, so I'm attaching it to this email so you can upload it to a sever and link to it.
>
> After we're past this rush of getting it online, we'll want to make sure we get this posted on the ECAS website.
>
> Thanks,
> - Brian
>
> __
> Brian Keaveny, Economist
> Air Economics Group, HEID/OAQPS
> U.S. EPA Office of Air and Radiation
> MD C439-02, 109 TW Alexander Dr., RTP, NC 27711
> Phone: 919-541-5238
>
> From: Ashley, Jackie
> Sent: Tuesday, October 10, 2017 1:14 PM
> To: Wildermann, Rob <Wildermann.Rob@epa.gov<mailto:Wildermann.Rob@epa.gov>>; Keaveny, Brian <Keaveny.Brian@epa.gov<mailto:Keaveny.Brian@epa.gov>>
> Cc: ITG Web Team <ITGWebTeam@epa.gov<mailto:ITGWebTeam@epa.gov>>
> Subject: RE: Please post CPP
>
> Here's the fact sheet.
>

> -----
> Jackie Ashley - US EPA - Office of Air Quality Planning and Standards - 919-541-7664 –
ashley.jackie@epa.gov<mailto:ashley.jackie@epa.gov>
>
> From: Ashley, Jackie
> Sent: Tuesday, October 10, 2017 1:05 PM
> To: Wildermann, Rob <Wildermann.Rob@epa.gov<mailto:Wildermann.Rob@epa.gov>>; Keaveny,
Brian <Keaveny.Brian@epa.gov<mailto:Keaveny.Brian@epa.gov>>
> Cc: ITG Web Team <ITGWebTeam@epa.gov<mailto:ITGWebTeam@epa.gov>>
> Subject: Please post CPP
> Importance: High
>
> Rob and Brian –
> We are ready to post the CPP.
>
> Rob -- Attached is the PDF of the FR notice of the proposed repeal. Please post the page
<https://wcms.epa.gov/node/192241/revisions/593429/view>, then send me the link ASAP so I can update
the fact sheet and send that to you.
>
>
> FR notice title: Proposed Rule: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary
Sources: Electric
>
> Utility Generating Units (Pre-publication)
>
>
>
> Fact sheet title: Fact Sheet: Proposal to Repeal the Clean Power Plan
>
>
>
> RIA title: Regulatory Impact Analysis for the Review of the Clean Power Plan: Proposal
>
>
>
> Press release: <https://www.epa.gov/newsreleases/epa-takes-another-step-advance-president-trumps-america-first-strategy-proposes-repeal>
>
> Brian – Please post the RIA and reply all with the link, so Rob can link to it from
<https://wcms.epa.gov/node/192249/revisions/593479/view>.
>
>
>
> -----
> Jackie Ashley - US EPA - Office of Air Quality Planning and Standards - 919-541-7664 –
ashley.jackie@epa.gov<mailto:ashley.jackie@epa.gov>
>
> <ria_proposed-cpp-repeal_2017-10.pdf>

To: Wildermann, Rob[Wildermann.Rob@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]
Cc: ITG Web Team[ITGWebTeam@epa.gov]
From: Ashley, Jackie
Sent: Tue 10/10/2017 5:04:51 PM
Subject: Please post CPP
FRN CPP Repeal 2060-AT55 Proposal_20171010+disclaimer.pdf

Rob and Brian –

We are ready to post the CPP.

Rob -- Attached is the PDF of the FR notice of the proposed repeal. Please post the page <https://wcms.epa.gov/node/192241/revisions/593429/view>, then send me the link ASAP so I can update the fact sheet and send that to you.

FR notice title: Proposed Rule: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric

Utility Generating Units (Pre-publication)

Fact sheet title: Fact Sheet: Proposal to Repeal the Clean Power Plan

RIA title: Regulatory Impact Analysis for the Review of the Clean Power Plan: Proposal

Press release: <https://www.epa.gov/newsreleases/epa-takes-another-step-advance-president-trumps-america-first-strategy-proposes-repeal>

Brian – Please post the RIA and reply all with the link, so Rob can link to it from <https://wcms.epa.gov/node/192249/revisions/593479/view>.

Jackie Ashley - US EPA - Office of Air Quality Planning and Standards - 919-541-7664 – ashley.jackie@epa.gov

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Weatherhead, Darryl
Sent: Mon 1/8/2018 7:36:58 PM
Subject: RE: Please shoot for 1:00 PM ...

I was just sharing for her as background for her to start being looped in for (b).

From: Keaveny, Brian
Sent: Monday, January 08, 2018 1:45 PM
To: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Langdon, Robin <Langdon.Robin@epa.gov>
Subject: RE: Please shoot for 1:00 PM ...

Thanks Darryl. This presentation is pretty close to final, but SPPD is looking over everything before calling it final. I'll share the final presentation version with you both when I get it.

- Brian

From: Weatherhead, Darryl
Sent: Monday, January 08, 2018 1:41 PM
To: Langdon, Robin <Langdon.Robin@epa.gov>
Cc: Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: FW: Please shoot for 1:00 PM ...

Hey Robin,

Here is the briefing for tomorrow. It has a bit on (b) for you to take a look at.

From: Keaveny, Brian
Sent: Monday, January 08, 2018 12:53 PM
To: Hutson, Nick <Hutson.Nick@epa.gov>
Cc: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>

Subject: RE: Please shoot for 1:00 PM ...

Hi Nick,

Attached are the slides with my edits to #8, 9, and 10. Most edits are minor improvements for clarity.

Ex. 5 - Deliberative Process

Since there isn't RLSO in PowerPoint, here is a list of the edits made:

Ex. 5 - Deliberative Process

Please feel free to give me a call if you have any questions about these edits.

Thanks,

- Brian

From: Hutson, Nick
Sent: Monday, January 08, 2018 10:30 AM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: Please shoot for 1:00 PM ...

If that starts to become a problem, let me know.

Nick

Nick Hutson, PhD

Energy Strategies Group

Office of Air & Radiation

U.S. Environmental Protection Agency

Research Triangle Park, NC 27711

tel: +1 919 541 2968

email: hutson.nick@epa.gov

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Macpherson, Alex
Sent: Tue 10/10/2017 4:57:14 PM
Subject: FW: Signed Proposal to FR: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units
[CPP Repeal Proposal for FR 10-10-2017.pdf](#)
[ATT00001.htm](#)

From: Eck, Janet
Sent: Tuesday, October 10, 2017 12:53 PM
To: Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Thompson, Fred <Thompson.Fred@epa.gov>; French, Chuck <French.Chuck@epa.gov>; Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Dunkins, Robin <Dunkins.Robin@epa.gov>; Hutson, Nick <Hutson.Nick@epa.gov>; Fruh, Steve <Fruh.Steve@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber <Scavo.Kimber@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Cc: Culligan, Kevin <Culligan.Kevin@epa.gov>
Subject: FW: Signed Proposal to FR: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FYI. Thanks.

From: Rush, Alan
Sent: Tuesday, October 10, 2017 12:44 PM
To: Eck, Janet <Eck.Janet@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>
Cc: Henigin, Mary <Henigin.Mary@epa.gov>
Subject: FW: Signed Proposal to FR: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

From: Cyran, Carissa
Sent: Tuesday, October 10, 2017 12:34 PM
To: Koerber, Mike <Koerber.Mike@epa.gov>; Henigin, Mary <Henigin.Mary@epa.gov>;

Iglesias, Amber <Iglesias.Amber@epa.gov>; Rush, Alan <Rush.Alan@epa.gov>

Cc: Lewis, Josh <Lewis.Josh@epa.gov>

Subject: Signed Proposal to FR: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

Sent from my iPhone

Begin forwarded message:

From: "Treimel, Ellen" <Treimel.Ellen@epa.gov>

Date: October 10, 2017 at 12:32:35 PM EDT

To: "Flynn, Mike" <Flynn.Mike@epa.gov>, "Jackson, Ryan" <jackson.ryan@epa.gov>, "Bowman, Liz" <Bowman.Liz@epa.gov>, "Lyons, Troy" <lyons.troy@epa.gov>, "Dravis, Samantha" <dravis.samantha@epa.gov>, "Bennett, Tate" <Bennett.Tate@epa.gov>, "Brown, Byron" <brown.byron@epa.gov>

Cc: "Grantham, Nancy" <Grantham.Nancy@epa.gov>, "Richardson, RobinH" <Richardson.RobinH@epa.gov>, "Hull, George" <Hull.George@epa.gov>, "Rees, Sarah" <rees.sarah@epa.gov>, "Owens, Nicole" <Owens.Nicole@epa.gov>, "Fonseca, Silvina" <Fonseca.Silvina@epa.gov>, "Cyran, Carissa" <Cyran.Carissa@epa.gov>, "Dunham, Sarah" <Dunham.Sarah@epa.gov>, "Lewis, Josh" <Lewis.Josh@epa.gov>, "Gunasekara, Mandy" <Gunasekara.Mandy@epa.gov>

Subject: **Proposal to FR: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units**

Good afternoon,

The Administrator has signed a proposed rule titled: Repeal of Carbon Pollution Emission guidelines for Existing Stationary Sources: Electric Utility Generating Units, commonly referred to as the Clean Power Plan. The CPP was originally promulgated on October 23, 2015. The first page of the proposed rule and the signature page are attached.

Please contact me with any questions.

Ellen Treimel, Special Assistant

Office of the Administrator

U.S. Environmental Protection Agency

WJC-N 3310

202-564-0557 (w)

703-667-0553 (c)

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Weatherhead, Darryl
Sent: Tue 12/19/2017 5:22:56 PM
Subject: FW: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?
[CAA 111 Briefing 12_18_17.pptx](#)

FYI, Sorry I forgot to send sooner.

From: Sasser, Erika
Sent: Thursday, December 14, 2017 5:00 PM
To: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RE: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Thanks. And you might be interested to see the 111 package SPPD will use with Bill on Monday...

From: Weatherhead, Darryl
Sent: Thursday, December 14, 2017 11:25 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Subject: FW: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Thought you might be interested in the slides

From: Adamantiades, Mikhail
Sent: Thursday, December 14, 2017 10:40 AM
To: OAR-OAP-CAMD-PDB <OAROAPCAMDPDB@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Hutson, Nick <Hutson.Nick@epa.gov>; Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Fellner, Christian <Fellner.Christian@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RFF: What Does Repeal of the Clean Power Plan Mean for Future Climate and

Energy Policies?

Slides from an event at RFF yesterday....

From: Resources for the Future [mailto:events@rff.org]
Sent: Wednesday, December 13, 2017 12:15 PM
To: Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>
Subject: Today's Webcast: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Join today's live webcast of "What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?".

[View this email in your browser.](#)

Today's Webcast

What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

This is a reminder that the live webcast of "What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?" will begin today at 12:45 p.m. EST at www.rff.org/live.

Join the webcast starting at 12:45 p.m.

This RFF seminar will explore the implications of each of these revisions for potential future climate and energy policy decisions. RFF's Alan Krupnick will reflect on the decision's treatment of health benefits, and Harvard University's Kathy Fallon Lambert will present new research on how repealing the Clean Power Plan would impact public health. RFF's Dallas Burtraw will conclude the seminar with a discussion of how a revised "inside the fence line" approach to Clean Power Plan compliance might work. [Learn more about this event.](#)

Have a question while watching the live webcast? [Tweet your question](#) and include #AskRFF. Questions will be answered as time allows.

To: Nicholas Swanson (Swanson.Nicholas@epa.gov)[Swanson.Nicholas@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Keaveny, Brian
Sent: Thur 10/12/2017 7:15:44 PM
Subject: RIA and workbooks to docket
[forgone climate benefit analysis - 10052017.xlsx](#)
[present value analysis - 10052017.xlsx](#)
[forgone health co-benefit analysis - 09272017.xlsx](#)
[DS-EE-driven reduction in expenditures - 09272017.xlsx](#)
[ria_proposed-cpp-repeal_2017-10.pdf](#)
[forgone benefit and avoided cost tables - 10122017.xlsx](#)

Hi Nick,

Attached is the RIA and five workbooks ready for the CPP repeal docket. I'd be glad to tell you more about what these workbooks contain if needed. If you feel you need to modify any of these file names, please contact me first. If we edit title names in one workbook, I may need to edit citations in other workbooks.

Also attached is the RIA. Please docket this too.

Of course, feel free to call if you have questions.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Kevin Culligan (Culligan.Kevin@epa.gov)[Culligan.Kevin@epa.gov]; Steiner, Elyse[Steiner.Elyse@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Keaveny, Brian
Sent: Mon 9/11/2017 2:41:46 PM
Subject: interagency comments

Hi Kevin and Elyse,

As you know, in late July we received interagency comments on the draft RIA for the Review of the CPP. A few of these comments suggest specific edits to sentences that were not part of the draft RIA. This makes us think these comments may relate to draft preamble text that was submitted for interagency review.

Copied below are the interagency suggested edits in case they relate to the preamble and you haven't already seen them. The text in red is the suggested edit from interagency review.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Please let me know if you have any questions.

- Brian

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Keaveny, Brian
Sent: Tue 10/10/2017 5:34:18 PM
Subject: FW: Please post CPP
[ria_proposed-cpp-repeal_2017-10.pdf](#)

Hey Darryl,

Just FYI, I ran into a technical issue uploading the RIA and have asked Rob Wildermann to upload the RIA to another EPA server for now. This way we won't hold things up while I troubleshoot my IT issue.

We can upload the file to ECAS and relink to it down the road once we get things working properly.

- Brian

From: Keaveny, Brian
Sent: Tuesday, October 10, 2017 1:24 PM
To: Ashley, Jackie <Ashley.Jackie@epa.gov>; Wildermann, Rob <Wildermann.Rob@epa.gov>
Cc: ITG Web Team <ITGWebTeam@epa.gov>
Subject: RE: Please post CPP

Hi Rob,

As I just mentioned on the phone, I'm having some IT issue preventing me from uploading the RIA PDF onto the ECAS site that I manage. So, I can't provide you a link to it now.

I understand that you need to get this PDF online ASAP, so I'm attaching it to this email so you can upload it to a sever and link to it.

After we're past this rush of getting it online, we'll want to make sure we get this posted on the ECAS website.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

From: Ashley, Jackie

Sent: Tuesday, October 10, 2017 1:14 PM

To: Wildermann, Rob <Wildermann.Rob@epa.gov>; Keaveny, Brian
<Keaveny.Brian@epa.gov>

Cc: ITG Web Team <ITGWebTeam@epa.gov>

Subject: RE: Please post CPP

Here's the fact sheet.

Jackie Ashley - US EPA - Office of Air Quality Planning and Standards - 919-541-7664 – ashley.jackie@epa.gov

From: Ashley, Jackie

Sent: Tuesday, October 10, 2017 1:05 PM

To: Wildermann, Rob <Wildermann.Rob@epa.gov>; Keaveny, Brian
<Keaveny.Brian@epa.gov>
Cc: ITG Web Team <ITGWebTeam@epa.gov>
Subject: Please post CPP
Importance: High

Rob and Brian –

We are ready to post the CPP.

Rob -- Attached is the PDF of the FR notice of the proposed repeal. Please post the page <https://wcms.epa.gov/node/192241/revisions/593429/view>, then send me the link ASAP so I can update the fact sheet and send that to you.

FR notice title: Proposed Rule: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric

Utility Generating Units (Pre-publication)

Fact sheet title: Fact Sheet: Proposal to Repeal the Clean Power Plan

RIA title: Regulatory Impact Analysis for the Review of the Clean Power Plan: Proposal

Press release: <https://www.epa.gov/newsreleases/epa-takes-another-step-advance-president-trumps-america-first-strategy-proposes-repeal>

Brian – Please post the RIA and reply all with the link, so Rob can link to it from <https://wcms.epa.gov/node/192249/revisions/593479/view>.

Jackie Ashley - US EPA - Office of Air Quality Planning and Standards - 919-541-7664 – ashley.jackie@epa.gov

To: Macpherson, Alex[Macpherson.Alex@epa.gov]; Miller, Elizabeth[Miller.Elizabeth@epa.gov]
From: Weatherhead, Darryl
Sent: Mon 4/24/2017 4:56:25 PM
Subject: FW: 2 letters from Carper - O&G and CPP
[April 7 2017 CPP EO final.pdf](#)
[2017-04-06--ICR Pruitt letter.pdf](#)

...

FYI on the Oil & Gas letter. We haven't been asked to assist in responding to these yet.

From: Sasser, Erika
Sent: Monday, April 17, 2017 1:56 PM
To: Weatherhead, Darryl
Cc: Chappell, Linda ; Ashley, Jackie
Subject: FW: 2 letters from Carper - O&G and CPP

FYI—see April 7 CPP letter, p. 3 (last bullet point, #8) for the jobs question. Jackie, if you can help keep us in the loop as the plans for the response develop, that would be good. We're happy to help but not clear what direction the response will take here.

From: Ashley, Jackie
Sent: Friday, April 07, 2017 3:09 PM
To: Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Cc: Culligan, Kevin <Culligan.Kevin@epa.gov>; McLamb, Marguerite <McLamb.Marguerite@epa.gov>; Terry, Sara <Terry.Sara@epa.gov>
Subject: FYI: 2 letters from Carper - O&G and CPP

All –

FYI that OCIR has gotten 2 letters from Sen. Carper and several other senators asking for information about recent EPA actions – one on O&G ICR and one on the CPP EO. Matthew Davis of OCIR is entering them in CMS. I don't have additional information at this time about what next steps will be to draft response but wanted to make sure you had copies.

Erika – note specifically that the CPP letter includes a question about the effect of rescinding the CPP on coal mines and asks for an analysis.

Jackie Ashley - US EPA - Office of Air Quality Planning and Standards - 919-541-7664 – ashley.jackie@epa.gov

To: Hetes, Bob[Hetes.Bob@epa.gov]; Kamal, Ali[Kamal.Ali@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Weatherhead, Darryl
Sent: Mon 5/22/2017 11:37:55 AM
Subject: RE: Help with CPP RIA

...

Actually, we will also need Ali to help with calculating present value of benefits and we only have 2 days where Bryan Hubbell is in town (today and tomorrow) for him to work with Ali on this issue.

Thanks for helping out Ali!!

From: Hetes, Bob
Sent: Sunday, May 21, 2017 8:48 PM
To: Kamal, Ali
Cc: Macpherson, Alex ; Weatherhead, Darryl
Subject: Help with CPP RIA

Ali

We are required to complete an RIA for the repeal of the CPP within less than 2 weeks. We will largely be drawing upon existing material and numbers where possible but there will still be substantial writing.

Alex is leading the effort and will be contacting you about what is required.

Bob

To: Hetes, Bob[Hetes.Bob@epa.gov]; Kamal, Ali[Kamal.Ali@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Weatherhead, Darryl
Sent: Mon 5/22/2017 11:54:55 AM
Subject: RE: Help with CPP RIA

....
>>>
No, we'll take care of it.

Thanks

From: Hetes, Bob
Sent: Monday, May 22, 2017 7:51 AM
To: Weatherhead, Darryl ; Kamal, Ali
Cc: Macpherson, Alex
Subject: RE: Help with CPP RIA

Today is Ali's CDO. Should I also check to see if Elizabeth or Evan can help with those calculations?

From: Weatherhead, Darryl
Sent: Monday, May 22, 2017 7:38 AM
To: Hetes, Bob <Hetes.Bob@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Help with CPP RIA
Importance: High

Actually, we will also need Ali to help with calculating present value of benefits and we only have 2 days where Bryan Hubbell is in town (today and tomorrow) for him to work with Ali on this issue.

Thanks for helping out Ali!!

From: Hetes, Bob
Sent: Sunday, May 21, 2017 8:48 PM
To: Kamal, Ali <Kamal.Ali@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: Help with CPP RIA

Ali

We are required to complete an RIA for the repeal of the CPP within less than 2 weeks. We will largely be drawing upon existing material and numbers where possible but there will still be substantial writing.

Alex is leading the effort and will be contacting you about what is required.

Bob

To: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Weatherhead, Darryl
Sent: Fri 6/2/2017 7:21:03 PM
Subject: FW: For review: latest drafts of the CPP documents
CPP Repeal Proposal.FR Notice.6.2.2017-Dravis Edits.docx

.....
,,,,,,,,,

From: Culligan, Kevin
Sent: Friday, June 02, 2017 2:38 PM
To: Weatherhead, Darryl
Cc: Eck, Janet
Subject: FW: For review: latest drafts of the CPP documents
Importance: High

Thanks for your help – if you could send an edited version of the RIA to Janet and I that would be great.

From: Dravis, Samantha
Sent: Friday, June 02, 2017 2:30 PM
To: Schmidt, Lorie <Schmidt.Lorie@epa.gov>; Schwab, Justin <schwab.justin@epa.gov>
Cc: Rees, Sarah <rees.sarah@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Dunham, Sarah <Dunham.Sarah@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Owens, Nicole <Owens.Nicole@epa.gov>
Subject: RE: For review: latest drafts of the CPP documents
Importance: High

All:

Attached are the final edits from the political team. Please use this version, and send the final package up to OP as soon as possible.

Thanks for all your work.

Best,

Samantha

From: Schmidt, Lorie
Sent: Friday, June 02, 2017 12:27 PM
To: Schwab, Justin <schwab.justin@epa.gov>
Cc: Rees, Sarah <rees.sarah@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Dunham, Sarah <Dunham.Sarah@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Zenick,

Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsigotis, Peter <Tsigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>

Subject: RE: For review: latest drafts of the CPP documents

I am not sure who has the pen on the document right now and who is accepting or rejecting OGC's line edits. For that matter, I'm not sure whether all are being accepted or not.

Ex. 5 - Attorney Client

If folks are comfortable taking that legal advice, we are happy to go through and make line edits implementing it unless someone else is doing that.

Lorie Schmidt

Associate General Counsel, Air and Radiation

Office of General Counsel

US Environmental Protection Agency

(202)564-1681

From: Schwab, Justin

Sent: Friday, June 02, 2017 11:57 AM

To: Schmidt, Lorie <Schmidt.Lorie@epa.gov>

Cc: Rees, Sarah <rees.sarah@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Dunham, Sarah <Dunham.Sarah@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsigotis, Peter <Tsigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>

Subject: Re: For review: latest drafts of the CPP documents

Ex. 5 - Attorney Client

Ex. 5 - Attorney Client Mandy and/or Samantha, what say you?

Sent from my iPhone

On Jun 2, 2017, at 11:55 AM, Schmidt, Lorie <Schmidt.Lorie@epa.gov> wrote:

Ex. 5 - Attorney Client

Ex. 5 - Attorney Client

Here's the link to the document:

https://usepa.sharepoint.com/sites/OGC_Work/CPP_Review/Shared%20Documents/CPP%20Repeal%20Prop

let us know if you need more.

Lorie

Lorie Schmidt

Associate General Counsel, Air and Radiation

Office of General Counsel

US Environmental Protection Agency

(202)564-1681

From: Schmidt, Lorie

Sent: Friday, June 02, 2017 11:09 AM

To: Rees, Sarah <rees.sarah@epa.gov>

Cc: Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Dunham, Sarah <Dunham.Sarah@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Schwab, Justin <schwab.justin@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>

Subject: Re: For review: latest drafts of the CPP documents

Working on it now.

Sent from my iPhone

On Jun 2, 2017, at 10:53 AM, Rees, Sarah <rees.sarah@epa.gov> wrote:

We are ready to send on our end whenever you get the package to us.

From: Gunasekara, Mandy

Sent: Friday, June 02, 2017 10:31 AM

To: Schmidt, Lorie <Schmidt.Lorie@epa.gov>

Cc: Dunham, Sarah <Dunham.Sarah@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Schwab, Justin <schwab.justin@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Rees, Sarah <rees.sarah@epa.gov>; Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>

Subject: Re: For review: latest drafts of the CPP documents

I talked to Justin about these issues and will defer to his final call on the edits. Once that is done, let's send this to OMB.

Sent from my iPhone

On Jun 2, 2017, at 9:53 AM, Schmidt, Lorie <Schmidt.Lorie@epa.gov> wrote:

| |
|--|
| Schmidt, Lorie has shared a OneDrive for Business file with you. To view it, click the link below. |
| CPP Repeal Proposal.FR Notice.5.31.17.docx |

Please find attached our reactions to Mandy's comments. A few things to note:

Ex. 5 - Attorney Client

Ex. 5 - Attorney Client

Ex. 5 - Attorney Client

Let us know if you would like to discuss.

Thanks,

Lorie

Lorie Schmidt

Associate General Counsel, Air and Radiation

Office of General Counsel

US Environmental Protection Agency

(202)564-1681

From: Gunasekara, Mandy

Sent: Wednesday, May 31, 2017 1:04 PM

To: Dunham, Sarah <Dunham.Sarah@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Schwab, Justin <schwab.justin@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Schmidt, Lorie <Schmidt.Lorie@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Rees, Sarah <rees.sarah@epa.gov>

Cc: Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>

Subject: RE: For review: latest drafts of the CPP documents

The attached includes my edits (tracked changes starting page 5). Please incorporate these into the final version.

From: Dunham, Sarah

Sent: Wednesday, May 31, 2017 12:01 PM

To: Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Schwab, Justin <schwab.justin@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Schmidt, Lorie <Schmidt.Lorie@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Rees, Sarah <rees.sarah@epa.gov>

Cc: Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>

Subject: RE: For review: latest drafts of the CPP documents

Thank you Mandy—What you laid out below is consistent with how we are proceeding.

For a little more context on the work that is ongoing, OAR and OP have been working together on both documents:

- OAR will have completed edits to the RIA to send back to OP by COB today.
- OAR has further edits we are making to the Executive Order sections of the

preamble per comments from OP, we expect those sections of the preamble will need some further back and forth tomorrow with OP and OGC but that should be wrapped up in time to go to OMB on Friday.

From: Gunasekara, Mandy

Sent: Wednesday, May 31, 2017 10:18 AM

To: Lewis, Josh <Lewis.Josh@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Schwab, Justin <schwab.justin@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Schmidt, Lorie <Schmidt.Lorie@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Rees, Sarah <rees.sarah@epa.gov>
Cc: Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Dunham, Sarah <Dunham.Sarah@epa.gov>
Subject: RE: For review: latest drafts of the CPP documents

I'd like to make sure we are all on the same page regarding CPP. This is my understanding of the status. Please let me know if any of this needs modification:

- Sam, Brittany and I will have any comments on preamble by COB today;
- OP/OAR will have an updated/final RIA by COB today;
- Thursday, final touches/final review by OGC (per Justin's request)
- Friday – send to OMB.

Best,

Mandy

From: Lewis, Josh

Sent: Friday, May 26, 2017 3:00 PM

To: Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Dravis, Samantha <dravis.samantha@epa.gov>; Schwab, Justin <schwab.justin@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>; Schmidt, Lorie <Schmidt.Lorie@epa.gov>; Zenick, Elliott <Zenick.Elliott@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>; Rees, Sarah <rees.sarah@epa.gov>
Cc: Page, Steve <Page.Steve@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Dunham, Sarah <Dunham.Sarah@epa.gov>
Subject: For review: latest drafts of the CPP documents

Attached are the latest drafts of the CPP Rescission Notice Preamble and the RIA. Sarah and others in OAR are still reviewing one/both of these, but we wanted you to have the latest drafts before the long weekend.

A few notes on the preamble:

▽ It includes executive order language

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

▽ It includes a

Ex. 5 - Deliberative Process

▽ It includes all of the necessary boilerplate related to public comment and public hearing

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

A few important notes on the RIA:

▽ The preamble and RIA have not been reconciled with each other yet.

▽ The RIA language is still a work in progress and there are sections of the document that are missing or still need attention, specifically:

Ex. 5 - Deliberative Process

We anticipate having the next draft of the RIA ready by COB Wednesday, pending comments received from this review.

Josh

To: Macpherson, Alex[Macpherson.Alex@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Weatherhead, Darryl
Sent: Tue 10/24/2017 4:23:16 PM
Subject: RE: draft memo

...

Thanks.

I talked to Erika and she suggested just using the background portion for today. I've sent it to Kristal with a simple agenda of:

Agenda

- ∇ Reminder of commitments in the proposal RIA
- ∇ Status update on activities since proposal
- ∇ Discussion of next steps on these topics
- ∇ Communication and collaboration across offices

From: Macpherson, Alex
Sent: Tuesday, October 24, 2017 11:20 AM
To: Keaveny, Brian ; Weatherhead, Darryl
Subject: RE: draft memo

Brian: nice work...looks good

Ex. 5 - Deliberative Process

From: Keaveny, Brian
Sent: Tuesday, October 24, 2017 11:11 AM
To: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: draft memo

Hi Darryl,

Attached is a revised version. I made your suggested edit, and

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

- Brian

From: Keaveny, Brian

Sent: Tuesday, October 24, 2017 10:55 AM
To: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: draft memo

Thanks Darryl. I'll incorporate that suggestion.

Ex. 5 - Deliberative Process

- Brian

From: Macpherson, Alex
Sent: Tuesday, October 24, 2017 10:47 AM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RE: draft memo

Ex. 5 - Deliberative Process

From: Keaveny, Brian
Sent: Tuesday, October 24, 2017 10:37 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RE: draft memo

Thanks Alex.

Darryl, attached is a revised version getting at some of Alex's comments. If you're currently marking up another version, just send me that, and I'll merge it with my recent updates.

Thanks,

- Brian

From: Macpherson, Alex
Sent: Tuesday, October 24, 2017 10:10 AM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RE: draft memo

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Keaveny, Brian

Sent: Tuesday, October 24, 2017 10:03 AM

To: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Macpherson, Alex
<Macpherson.Alex@epa.gov>

Subject: draft memo

Hey Darryl and Alex,

Here is the current draft of the memo. I have a couple of things flagged via comments. Also, we may want to speak more to timing in the memo. Please edit as you see fit.

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Keaveny, Brian[Keaveny.Brian@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Weatherhead, Darryl
Sent: Tue 10/24/2017 3:57:57 PM
Subject: RE: draft memo

...

Thanks. I am not sure if Erika wants to use this today. I will send it to her and discuss with her and let you know.

From: Keaveny, Brian
Sent: Tuesday, October 24, 2017 11:11 AM
To: Weatherhead, Darryl
Cc: Macpherson, Alex
Subject: RE: draft memo

Hi Darryl,

Attached is a revised version. I made your suggested edit, and also

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

- Brian

From: Keaveny, Brian
Sent: Tuesday, October 24, 2017 10:55 AM
To: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: draft memo

Thanks Darryl. I'll incorporate that suggestion.

Ex. 5 - Deliberative Process

- Brian

From: Macpherson, Alex
Sent: Tuesday, October 24, 2017 10:47 AM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RE: draft memo

Ex. 5 - Deliberative Process

From: Keaveny, Brian
Sent: Tuesday, October 24, 2017 10:37 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl

<Weatherhead.Darryl@epa.gov>

Subject: RE: draft memo

Thanks Alex.

Darryl, attached is a revised version getting at some of Alex's comments. If you're currently marking up another version, just send me that, and I'll merge it with my recent updates.

Thanks,

- Brian

From: Macpherson, Alex

Sent: Tuesday, October 24, 2017 10:10 AM

To: Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl

<Weatherhead.Darryl@epa.gov>

Subject: RE: draft memo

Ex. 5 - Deliberative Process

From: Keaveny, Brian

Sent: Tuesday, October 24, 2017 10:03 AM

To: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Macpherson, Alex

<Macpherson.Alex@epa.gov>

Subject: draft memo

Hey Darryl and Alex,

Here is the current draft of the memo. I have a couple of things flagged via comments. Also, we may want to speak more to timing in the memo. Please edit as you see fit.

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Keaveny, Brian
Sent: Thur 10/12/2017 9:17:31 PM
Subject: RE: Docket items due cob today

.....
~~~~~

FYI, Dave and I just talked. Since these papers were already docketed in the previous action, they aren't incremental sources that need to be docketed now.

Thanks,

- Brian

**From:** Keaveny, Brian  
**Sent:** Thursday, October 12, 2017 5:12 PM  
**To:** Evans, DavidA ; Marten, Alex ; Kopits, Elizabeth  
**Cc:** Macpherson, Alex  
**Subject:** RE: Docket items due cob today

Thanks Dave. Yeah, I'm checking the list of papers in the Reference sections against what folks have provided for the docket. It may be that I'm overlooking something that Alex has already sent us, but I'm having trouble finding a few of the papers on the SharePoint site.

Dave, I'll try calling you now.

Thanks,

- Brian

**From:** Evans, DavidA  
**Sent:** Thursday, October 12, 2017 5:06 PM  
**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>  
**Cc:** Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** RE: Docket items due cob today

Brian,

I'm available to talk if Alex isn't. But do you mean papers or something else? Alex uploaded papers.

d

**From:** Keaveny, Brian  
**Sent:** Thursday, October 12, 2017 5:05 PM  
**To:** Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>  
**Cc:** Macpherson, Alex <Macpherson.Alex@epa.gov>



**Subject:** RE: Docket items due cob today

Hi Alex,

Thanks, I'll pass along that file. I'm trying to track down a few remaining files that relate to EE since I'm not sure if they've been submitted yet. If you or anyone else on your end is able to give me a call, I'd definitely appreciate it.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Marten, Alex

**Sent:** Thursday, October 12, 2017 4:52 PM

**To:** Kopits, Elizabeth <[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)>; Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>

**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>

**Subject:** RE: Docket items due cob today

We figured out the issue. The results file has been uploaded to sharepoint. I now believe that NCEE has no more files for the docket.

--

Alex Marten

phone: (202) 566-2301

email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Kopits, Elizabeth

**Sent:** Thursday, October 12, 2017 4:11 PM

**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>

**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>

**Subject:** RE: Docket items due cob today

Hi Brian,

Alex Marten and I were just doing some QAQC on the results files and we are trying to figure

out one error. If we can't get to the bottom of it soon, is it possible to add these tomorrow morning?

Thanks,

Elizabeth

**From:** Keaveny, Brian  
**Sent:** Thursday, October 12, 2017 4:08 PM  
**To:** Kopits, Elizabeth <[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)>  
**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>  
**Subject:** RE: Docket items due cob today

Hi Elizabeth,

Alex mentioned that you are working on adding some files to SharePoint that need to be docketed. Please let me know if you have any questions. Alex Macpherson is now out for the day, and I'll be the one making sure your files make it to the docket.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex  
**Sent:** Thursday, October 12, 2017 10:22 AM  
**To:** Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>  
**Cc:** Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Kopits, Elizabeth <[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)>; Ferris, Ann <[Ferris.Ann@epa.gov](mailto:Ferris.Ann@epa.gov)>; Maguire, Kelly <[Maguire.Kelly@epa.gov](mailto:Maguire.Kelly@epa.gov)>; Jenkins, Robin <[Jenkins.Robin@epa.gov](mailto:Jenkins.Robin@epa.gov)>; Ragnauth, Shaun <[Ragnauth.Shaun@epa.gov](mailto:Ragnauth.Shaun@epa.gov)>; Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>  
**Subject:** RE: Docket items due cob today

Dave

I'm told no...we should just docket the increment that is newly cited in the 2017 RIA.

We're docketing the 2015 RIA as a core document, along with the EE TSD since I think we reference it a few times.

Alex

**From:** Evans, DavidA

**Sent:** Thursday, October 12, 2017 10:19 AM

**To:** Macpherson, Alex <Macpherson.Alex@epa.gov>

**Cc:** Fann, Neal <Fann.Neal@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Maguire, Kelly <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>

**Subject:** Re: Docket items due cob today

Alex,

This seems to be implied by the inclusion of the 2015 RIA in your list, but do we need to docket all referenced materials, including those that are in the CPP docket?

Thanks,

Dave

Sent from my iPhone

On Oct 12, 2017, at 9:36 AM, Macpherson, Alex <Macpherson.Alex@epa.gov> wrote:

Team

See below...the FR notice will be published Monday. We need to have our docket items to our coordinator by cob today. Here's what we plan to docket and the responsible party:

- New RIA and supporting spreadsheets (Brian)
- 2015 RIA and key supporting material (EE TSD, for example) (Alex Mac)

- Material passed back and forth between EIA and EPA. Ex. 5 - Deliberative Process  
Ex. 5 - Deliberative Process (Alex Mac)

- Newly cited articles and reports (OP staff). For articles, please try to name pdf file according to the following convention:

o Author YEAR.pdf

o Author1 and Author2 YEAR pdf

o Author1 et al YEAR.pdf

o Organization YEAR.pdf

Do not send materials to me via email. Rather, send me an email that you have loaded you material into this directory on our team Sharepoint:

[https://usepa.sharepoint.com/sites/oar\\_Work/CPP\\_111d\\_RIA\\_FINAL/Shared%20Documents/Proposal%20\(](https://usepa.sharepoint.com/sites/oar_Work/CPP_111d_RIA_FINAL/Shared%20Documents/Proposal%20()

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

**From:** Eck, Janet

**Sent:** Thursday, October 12, 2017 8:43 AM

**To:** Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Dunkins, Robin <[Dunkins.Robin@epa.gov](mailto:Dunkins.Robin@epa.gov)>; Culligan, Kevin <[Culligan.Kevin@epa.gov](mailto:Culligan.Kevin@epa.gov)>; Tsirigotis, Peter <[Tsirigotis.Peter@epa.gov](mailto:Tsirigotis.Peter@epa.gov)>; French, Chuck <[French.Chuck@epa.gov](mailto:French.Chuck@epa.gov)>; Thompson, Fred <[Thompson.Fred@epa.gov](mailto:Thompson.Fred@epa.gov)>; Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>; Scavo, Kimber <[Scavo.Kimber@epa.gov](mailto:Scavo.Kimber@epa.gov)>; Sasser, Erika <[Sasser.Erika@epa.gov](mailto:Sasser.Erika@epa.gov)>  
**Cc:** Rush, Alan <[Rush.Alan@epa.gov](mailto:Rush.Alan@epa.gov)>; Iglesias, Amber <[Iglesias.Amber@epa.gov](mailto:Iglesias.Amber@epa.gov)>; Henigin, Mary <[Henigin.Mary@epa.gov](mailto:Henigin.Mary@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>; South, Peter <[South.Peter@epa.gov](mailto:South.Peter@epa.gov)>

**Subject:** FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

The CPP Repeal is scheduled to publish Monday, 10/16/17. Thanks.

**From:** Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

**Sent:** Wednesday, October 11, 2017 4:43 PM

**To:** Eck, Janet <[Eck.Janet@epa.gov](mailto:Eck.Janet@epa.gov)>; Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>; Wingate, Diedra <[Wingate.Diedra@epa.gov](mailto:Wingate.Diedra@epa.gov)>

**Subject:** FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

Your document is about to publish in the Federal Register. This publication date has been confirmed with the Office of the Federal Register.

Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

**To:** Bryson, Joe[Bryson.Joe@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Eschmann, Erich[Eschmann.Erich@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Wed 8/30/2017 1:44:26 PM  
**Subject:** RE: Quick turnaround

...

Thanks for your edits and update Joe. What you decided makes sense to me.

- Brian

**From:** Bryson, Joe  
**Sent:** Wednesday, August 30, 2017 9:26 AM  
**To:** Keaveny, Brian ; Macpherson, Alex ; Eschmann, Erich  
**Subject:** RE: Quick turnaround

I'm done.

## Ex. 5 - Deliberative Process

**From:** Keaveny, Brian  
**Sent:** Tuesday, August 29, 2017 4:09 PM  
**To:** Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>  
**Cc:** Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** RE: Quick turnaround

Hi Everyone,

Following up on Alex's email, I want to make sure you all have a chance to provide input on the brief document we're drafting: **Ex. 5 - Deliberative Process** (SharePoint link is below.)

We need to get this out before COB Wednesday, so I'd appreciate you making any suggested edits by tomorrow morning.

Feel free to give me a call if it'd be helpful.

Thanks,

- Brian

—  
Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex

**Sent:** Monday, August 28, 2017 2:23 PM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>

**Subject:** RE: Quick turnaround

## Ex. 5 - Deliberative Process

### Ex. 5 - Deliberative Process

We're shooting to have this done by end of Weds...not a heavy lift but some initial strategic thoughts would be good. Thanks, Alex

[https://usepa-my.sharepoint.com/personal/macpherson\\_alex\\_epa\\_gov/\\_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1=1](https://usepa-my.sharepoint.com/personal/macpherson_alex_epa_gov/_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1=1)

**From:** Macpherson, Alex

**Sent:** Friday, August 25, 2017 3:50 PM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>

**Cc:** Kamal, Ali <Kamal.Ali@epa.gov>

**Subject:** RE: Quick turnaround

All

Thanks for your work today...attached is the draft that I sent forward. Have a good weekend, everyone

Alex

**From:** Macpherson, Alex  
**Sent:** Friday, August 25, 2017 11:49 AM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>  
**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>  
**Subject:** RE: Quick turnaround

All: please have a look at document now it seems full draft is there. Please review your tasks and associated timing, as well as whiz-bang Gantt chart, per Alex Marten.

Thanks  
Alex

**From:** Macpherson, Alex  
**Sent:** Thursday, August 24, 2017 4:19 PM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>  
**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>  
**Subject:** Quick turnaround  
**Importance:** High

Team,

## Ex. 5 - Deliberative Process

I will set up meeting for first thing Friday morning...not the best of timing, obviously, but this is not negotiable.

More details in the morning....thanks all and talk to you soon

Alex

**To:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Eschmann, Erich[Eschmann.Erich@epa.gov]; Adamantiades, Mikhail[Adamantiades.Mikhail@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]  
**Cc:** Shouse, Kate[Shouse.Kate@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Wed 8/30/2017 9:07:16 PM  
**Subject:** RE: 1pm...No edits to 1-pager

...

Hi everyone,

Thanks a bunch for all of your help with this 1-pager **Ex. 5 - Deliberative Process**  
Our DD has just made some minor revisions and sent up the document.

I have uploaded this revised version to OneDrive, found at [this link](#). FYI, I have renamed the file on OneDrive, with it now being titled: **Ex. 5 - Deliberative Process**

Please let me know if you have any questions.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex  
**Sent:** Wednesday, August 30, 2017 1:03 PM  
**To:** Keaveny, Brian ; Eschmann, Erich ; Adamantiades, Mikhail ; Bryson, Joe ; Shouse, Kate ; Marten, Alex ; Evans, DavidA  
**Subject:** 1pm...No edits to 1-pager  
**Importance:** High

All,

Please, no edits on the 1 pager until further notice...Brian is sending to our DD for review.

Alex



**From:** Macpherson, Alex  
**Sent:** Monday, August 28, 2017 2:22 PM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>  
**Subject:** RE: Quick turnaround

## Ex. 5 - Deliberative Process

**Ex. 5 - Deliberative Process** We're shooting to have this done by end of Weds...not a heavy lift but some initial strategic thoughts would be good. Thanks, Alex

[https://usepa-my.sharepoint.com/personal/macpherson\\_alex\\_epa\\_gov/\\_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1=1](https://usepa-my.sharepoint.com/personal/macpherson_alex_epa_gov/_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1=1)

**From:** Macpherson, Alex  
**Sent:** Friday, August 25, 2017 3:50 PM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>  
**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>  
**Subject:** RE: Quick turnaround

All

Thanks for your work today...attached is the draft that I sent forward. Have a good weekend, everyone

Alex

**From:** Macpherson, Alex  
**Sent:** Friday, August 25, 2017 11:49 AM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>  
**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>  
**Subject:** RE: Quick turnaround

All: please have a look at document now it seems full draft is there. Please review your tasks and associated timing, as well as whiz-bang Gantt chart, per Alex Marten.

Thanks  
Alex

**From:** Macpherson, Alex  
**Sent:** Thursday, August 24, 2017 4:19 PM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>  
**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>  
**Subject:** Quick turnaround  
**Importance:** High

Team,

## Ex. 5 - Deliberative Process

I will set up meeting for first thing Friday morning...not the best of timing, obviously, but this is not negotiable.

More details in the morning....thanks all and talk to you soon

Alex

**To:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]; Adamantiades, Mikhail[Adamantiades.Mikhail@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]; Maguire, Kelly[Maguire.Kelly@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]; Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Thur 10/12/2017 10:24:29 PM  
**Subject:** RE: Docket items due cob today

...

Hi Everyone,

I'm trying to find PDFs for two articles to make sure they get docketed. If anyone happens to have PDFs of one of the two following papers, please send them to me as soon as possible.

▽ Durlauf, S. 2004. "Neighborhood Effects." Handbook of Regional and Urban Economics vol. 4, J.V. Henderson and J.F. Thisse, eds. Amsterdam: North Holland.

▽ Rausch, S., Metcalf, G., Reilly, J., and Paltsev, S. 2010. "Distributional Implications of Alternative U.S. Greenhouse Gas Control Measures." The B.E. Journal of Economic Analysis & Policy, 10(2), Symposium.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex  
**Sent:** Thursday, October 12, 2017 9:37 AM  
**To:** Fann, Neal ; Adamantiades, Mikhail ; Bryson, Joe ; Marten, Alex ; Evans, DavidA ; Kopits, Elizabeth ; Ferris, Ann ; Maguire, Kelly ; Jenkins, Robin ; Ragnauth, Shaun  
**Cc:** Keaveny, Brian  
**Subject:** Docket items due cob today  
**Importance:** High

Team

See below...the FR notice will be published Monday. We need to have our docket items to our coordinator by cob today. Here's what we plan to docket and the responsible party:

- New RIA and supporting spreadsheets (Brian)
- 2015 RIA and key supporting material (EE TSD, for example) (Alex Mac)

- Material passed back and forth between EIA and EPA. **Ex. 5 - Deliberative Process**  
**Ex. 5 - Deliberative Process** (Alex Mac)

- Newly cited articles and reports (OP staff). For articles, please try to name pdf file according to the following convention:

- o Author YEAR.pdf
- o Author1 and Author2 YEAR pdf
- o Author1 et al YEAR.pdf
- o Organization YEAR.pdf

Do not send materials to me via email. Rather, send me an email that you have loaded you material into this directory on our team Sharepoint:

[https://usepa.sharepoint.com/sites/oar\\_Work/CPP\\_111d\\_RIA\\_FINAL/Shared%20Documents/Proposal%202017](https://usepa.sharepoint.com/sites/oar_Work/CPP_111d_RIA_FINAL/Shared%20Documents/Proposal%202017)

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

**From:** Eck, Janet

**Sent:** Thursday, October 12, 2017 8:43 AM

**To:** Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Dunkins, Robin <[Dunkins.Robin@epa.gov](mailto:Dunkins.Robin@epa.gov)>; Culligan, Kevin <[Culligan.Kevin@epa.gov](mailto:Culligan.Kevin@epa.gov)>; Tsirigotis, Peter <[Tsirigotis.Peter@epa.gov](mailto:Tsirigotis.Peter@epa.gov)>; French, Chuck <[French.Chuck@epa.gov](mailto:French.Chuck@epa.gov)>; Thompson, Fred <[Thompson.Fred@epa.gov](mailto:Thompson.Fred@epa.gov)>; Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>; Scavo, Kimber <[Scavo.Kimber@epa.gov](mailto:Scavo.Kimber@epa.gov)>; Sasser, Erika <[Sasser.Erika@epa.gov](mailto:Sasser.Erika@epa.gov)>

**Cc:** Rush, Alan <[Rush.Alan@epa.gov](mailto:Rush.Alan@epa.gov)>; Iglesias, Amber <[Iglesias.Amber@epa.gov](mailto:Iglesias.Amber@epa.gov)>; Henigin, Mary <[Henigin.Mary@epa.gov](mailto:Henigin.Mary@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>; South, Peter <[South.Peter@epa.gov](mailto:South.Peter@epa.gov)>

**Subject:** FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

The CPP Repeal is scheduled to publish Monday, 10/16/17. Thanks.

**From:** Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

**Sent:** Wednesday, October 11, 2017 4:43 PM

**To:** Eck, Janet <[Eck.Janet@epa.gov](mailto:Eck.Janet@epa.gov)>; Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>; Wingate, Diedra <[Wingate.Diedra@epa.gov](mailto:Wingate.Diedra@epa.gov)>

**Subject:** FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.  
**Importance:** High

Your document is about to publish in the Federal Register. This publication date has been confirmed with the Office of the Federal Register.

Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

**To:** Marten, Alex[Marten.Alex@epa.gov]; Macpherson, Alex[Macpherson.Alex@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]; Adamantiades, Mikhail[Adamantiades.Mikhail@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]; Maguire, Kelly[Maguire.Kelly@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]; Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Thur 10/12/2017 11:13:55 PM  
**Subject:** RE: Docket items due cob today  
[Rausch et al 2010.pdf](#)

....  
>>>

Thanks Alex! I'll use the Durlauf article that you provided.

I too am getting a watermark reading "US EPA" when I download the Rausch article from the journal's website. I have now found a copy of the article from MIT which I've attached to this email. It just has a cover page from MIT, which seems much better than having a "US EPA" watermark on all of the pages. I'll be sending this MIT version to be docketed tonight. If anyone has any questions or concerns, feel free to call me.

Thanks everyone for your efforts pulling this together today!

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Marten, Alex

**Sent:** Thursday, October 12, 2017 6:59 PM

**To:** Keaveny, Brian ; Macpherson, Alex ; Fann, Neal ; Adamantiades, Mikhail ; Bryson, Joe ; Evans, DavidA ; Kopits, Elizabeth ; Ferris, Ann ; Maguire, Kelly ; Jenkins, Robin ; Ragnauth, Shaun

**Subject:** Re: Docket items due cob today

durlauf piece attached. I don't have a copy of the rausch article without a watermark for docketing purposes.

--

Alex Marten

[marten.alex@epa.gov](mailto:marten.alex@epa.gov)

---

**From:** Keaveny, Brian

**Sent:** Thursday, October 12, 2017 6:24 PM

**To:** Macpherson, Alex; Fann, Neal; Adamantiades, Mikhail; Bryson, Joe; Marten, Alex; Evans, DavidA; Kopits, Elizabeth; Ferris, Ann; Maguire, Kelly; Jenkins, Robin; Ragnauth, Shaun

**Subject:** RE: Docket items due cob today

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Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex

**Sent:** Thursday, October 12, 2017 9:37 AM

**To:** Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Kopits, Elizabeth <[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)>; Ferris, Ann <[Ferris.Ann@epa.gov](mailto:Ferris.Ann@epa.gov)>; Maguire, Kelly <[Maguire.Kelly@epa.gov](mailto:Maguire.Kelly@epa.gov)>; Jenkins, Robin <[Jenkins.Robin@epa.gov](mailto:Jenkins.Robin@epa.gov)>; Ragnauth, Shaun <[Ragnauth.Shaun@epa.gov](mailto:Ragnauth.Shaun@epa.gov)>

**Cc:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>

**Subject:** Docket items due cob today

**Importance:** High

ED\_001699\_00020932

Team

See below...the FR notice will be published Monday. We need to have our docket items to our coordinator by cob today. Here's what we plan to docket and the responsible party:

- New RIA and supporting spreadsheets (Brian)
- 2015 RIA and key supporting material (EE TSD, for example) (Alex Mac)

- Material passed back and forth between EIA and EPA.

**Ex. 5 - Deliberative Process**

**Ex. 5 - Deliberative Process** (Alex Mac)

- Newly cited articles and reports (OP staff). For articles, please try to name pdf file according to the following convention:

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- o Author1 and Author2 YEAR pdf
- o Author1 et al YEAR.pdf
- o Organization YEAR.pdf

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[https://usepa.sharepoint.com/sites/oar\\_Work/CPP\\_111d\\_RIA\\_FINAL/Shared%20Documents/Proposal%202017](https://usepa.sharepoint.com/sites/oar_Work/CPP_111d_RIA_FINAL/Shared%20Documents/Proposal%202017)

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

**From:** Eck, Janet

**Sent:** Thursday, October 12, 2017 8:43 AM

**To:** Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Dunkins, Robin <[Dunkins.Robin@epa.gov](mailto:Dunkins.Robin@epa.gov)>; Culligan, Kevin <[Culligan.Kevin@epa.gov](mailto:Culligan.Kevin@epa.gov)>; Tsirigotis, Peter <[Tsirigotis.Peter@epa.gov](mailto:Tsirigotis.Peter@epa.gov)>; French, Chuck <[French.Chuck@epa.gov](mailto:French.Chuck@epa.gov)>; Thompson, Fred <[Thompson.Fred@epa.gov](mailto:Thompson.Fred@epa.gov)>; Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>; Scavo, Kimber <[Scavo.Kimber@epa.gov](mailto:Scavo.Kimber@epa.gov)>; Sasser, Erika <[Sasser.Erika@epa.gov](mailto:Sasser.Erika@epa.gov)>

**Cc:** Rush, Alan <[Rush.Alan@epa.gov](mailto:Rush.Alan@epa.gov)>; Iglesias, Amber <[Iglesias.Amber@epa.gov](mailto:Iglesias.Amber@epa.gov)>; Henigin, Mary <[Henigin.Mary@epa.gov](mailto:Henigin.Mary@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>; South, Peter <[South.Peter@epa.gov](mailto:South.Peter@epa.gov)>

**Subject:** FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

The CPP Repeal is scheduled to publish Monday, 10/16/17. Thanks.



**From:** Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

**Sent:** Wednesday, October 11, 2017 4:43 PM

**To:** Eck, Janet <[Eck.Janet@epa.gov](mailto:Eck.Janet@epa.gov)>; Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>; Wingate, Diedra <[Wingate.Diedra@epa.gov](mailto:Wingate.Diedra@epa.gov)>

**Subject:** FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary

Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

Your document is about to publish in the Federal Register. This publication date has been confirmed with the Office of the Federal Register.

Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

**To:** Kamal, Ali[Kamal.Ali@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Mon 9/25/2017 10:46:36 PM  
**Subject:** RE: Best practices for updating benefits estimates

....  
>>>>

Thanks Ali. I appreciate you making the updates earlier today.

- Brian

**From:** Kamal, Ali  
**Sent:** Monday, September 25, 2017 4:29 PM  
**To:** Fann, Neal ; Chan, Elizabeth ; Coffman, Evan  
**Cc:** Keaveny, Brian ; Macpherson, Alex  
**Subject:** RE: Best practices for updating benefits estimates

Mortality tables in the RIA are now updated.

**From:** Kamal, Ali  
**Sent:** Monday, September 25, 2017 3:44 PM  
**To:** Fann, Neal <Fann.Neal@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>  
**Cc:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** RE: Best practices for updating benefits estimates

In that light, I reviewed the monetized benefits this morning *first* so we would have the most up-to-date and QA'd values in the RIA before it went out for review.

I have now updated the mortality values, which changed slightly, but this will not impact any downstream monetized results since they were calculated using a separate procedure.

Evan and I will make sure the updated mortality values are included in the RIA once we can go back into the document.

**From:** Fann, Neal  
**Sent:** Monday, September 25, 2017 12:30 PM  
**To:** Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>  
**Cc:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** Best practices for updating benefits estimates

Hi all,

As we reach our next major milestone for the CPP repeal and distribute the draft chapter to the management team, I wanted to thank you all for taking the time over the past several days to generate new numbers, populate tables and perform QA/QC. Prior to you guys joining the benefits team, we generally only tasked one person with performing the entire analysis. Partly for this reason, I'm less accustomed to performing this work as a team.

Whenever we update any benefits estimates (which occurs frequently in pretty much any RIA project), I think we should send a quick note to the benefits team as well as any "downstream" users of this information (in this case, Brian and Alex), indicating what has changed and by how much. This way, anyone using our numbers to calculate net benefits or NPV will know that they need to update their calculations.

Thanks again for all of your help and being willing to put in the extra effort to get this across the finish line.

-Neal

---

Neal Fann

Health and Environmental Impacts Division

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

109 TW Alexander Drive (C539-07)

Research Triangle Park, NC 27711

Phone: (919) 541-0209

**To:** Fann, Neal[Fann.Neal@epa.gov]; Kamal, Ali[Kamal.Ali@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Tue 9/26/2017 11:06:03 PM  
**Subject:** RE: Best practices for updating benefits estimates

...

Hi Neal,

As you know, we're wrapping up the RIA for interagency review to be sent out Wednesday (tomorrow). As part of this, we need to also send our associated workbooks, including the workbook(s) you've used to generate benefit numbers. FYI, whatever files I send tomorrow will likely end up in the docket.

Can you or someone else on your end prepare your spreadsheet(s) for sharing and send them to me by 1:00 pm Wednesday?

I'm happy to discuss tomorrow morning if it would be helpful.

Thanks for your help,

- Brian

**From:** Fann, Neal  
**Sent:** Monday, September 25, 2017 12:30 PM  
**To:** Kamal, Ali ; Chan, Elizabeth ; Coffman, Evan  
**Cc:** Keaveny, Brian ; Macpherson, Alex  
**Subject:** Best practices for updating benefits estimates

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-Neal

---

Neal Fann

Health and Environmental Impacts Division

Office of Air Quality Planning and Standards

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109 TW Alexander Drive (C539-07)

Research Triangle Park, NC 27711

Phone: (919) 541-0209

**To:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Tue 10/24/2017 2:36:58 PM  
**Subject:** RE: draft memo  
CPP next steps and questions - draft v3.docx

...

Thanks Alex.

Darryl, attached is a revised version getting at some of Alex's comments. If you're currently marking up another version, just send me that, and I'll merge it with my recent updates.

Thanks,

- Brian

**From:** Macpherson, Alex  
**Sent:** Tuesday, October 24, 2017 10:10 AM  
**To:** Keaveny, Brian ; Weatherhead, Darryl  
**Subject:** RE: draft memo

## Ex. 5 - Deliberative Process

**From:** Keaveny, Brian  
**Sent:** Tuesday, October 24, 2017 10:03 AM  
**To:** Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** draft memo

Hey Darryl and Alex,

Here is the current draft of the memo. I have a couple of things flagged via comments. Also, we may want to speak more to timing in the memo. Please edit as you see fit.

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**To:** Kamal, Ali[Kamal.Ali@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Wed 9/27/2017 12:48:44 PM  
**Subject:** RE: Best practices for updating benefits estimates

.....  
>>>>>

Great, thanks Ali.

- Brian

**From:** Fann, Neal  
**Sent:** Wednesday, September 27, 2017 7:36 AM  
**To:** Keaveny, Brian ; Kamal, Ali ; Chan, Elizabeth ; Coffman, Evan  
**Cc:** Macpherson, Alex  
**Subject:** RE: Best practices for updating benefits estimates

Thanks Brian. Ali is on it.

**From:** Keaveny, Brian  
**Sent:** Tuesday, September 26, 2017 7:06 PM  
**To:** Fann, Neal <Fann.Neal@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>  
**Cc:** Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** RE: Best practices for updating benefits estimates

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**Cc:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Macpherson, Alex  
<Macpherson.Alex@epa.gov>

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**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Tue 10/24/2017 2:54:59 PM  
**Subject:** RE: draft memo

...

Thanks Darryl. I'll incorporate that suggestion.

Darryl, do you know if we are required to issue a response to comments for a NODA?

- Brian

**From:** Macpherson, Alex  
**Sent:** Tuesday, October 24, 2017 10:47 AM  
**To:** Keaveny, Brian ; Weatherhead, Darryl  
**Subject:** RE: draft memo

## Ex. 5 - Deliberative Process

**From:** Keaveny, Brian  
**Sent:** Tuesday, October 24, 2017 10:37 AM  
**To:** Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl  
<Weatherhead.Darryl@epa.gov>  
**Subject:** RE: draft memo

Thanks Alex.

Darryl, attached is a revised version getting at some of Alex's comments. If you're currently marking up another version, just send me that, and I'll merge it with my recent updates.

Thanks,

- Brian

**From:** Macpherson, Alex  
**Sent:** Tuesday, October 24, 2017 10:10 AM  
**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl  
<Weatherhead.Darryl@epa.gov>  
**Subject:** RE: draft memo

## Ex. 5 - Deliberative Process

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**From:** Keaveny, Brian

**Sent:** Tuesday, October 24, 2017 10:03 AM

**To:** Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>; Macpherson, Alex  
<[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>

**Subject:** draft memo

Hey Darryl and Alex,

Here is the current draft of the memo. I have a couple of things flagged via comments. Also, we may want to speak more to timing in the memo. Please edit as you see fit.

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**To:** Kamal, Ali[Kamal.Ali@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Wed 9/27/2017 2:26:19 PM  
**Subject:** RE: Best practices for updating benefits estimates

.....  
>>>>>

Thanks Ali. This looks good.

- Brian

**From:** Kamal, Ali  
**Sent:** Wednesday, September 27, 2017 10:00 AM  
**To:** Keaveny, Brian  
**Cc:** Macpherson, Alex ; Chan, Elizabeth ; Coffman, Evan ; Fann, Neal  
**Subject:** RE: Best practices for updating benefits estimates

Brian,

Now fully QA'd.

Thank you.

**From:** Keaveny, Brian  
**Sent:** Wednesday, September 27, 2017 8:49 AM  
**To:** Kamal, Ali <Kamal.Ali@epa.gov>  
**Cc:** Macpherson, Alex <Macpherson.Alex@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>  
**Subject:** RE: Best practices for updating benefits estimates

Great, thanks Ali.

- Brian

**From:** Fann, Neal  
**Sent:** Wednesday, September 27, 2017 7:36 AM  
**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>  
**Cc:** Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** RE: Best practices for updating benefits estimates

Thanks Brian. Ali is on it.

**From:** Keaveny, Brian  
**Sent:** Tuesday, September 26, 2017 7:06 PM

**To:** Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>; Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>; Chan, Elizabeth <[Chan.Elizabeth@epa.gov](mailto:Chan.Elizabeth@epa.gov)>; Coffman, Evan <[Coffman.Evan@epa.gov](mailto:Coffman.Evan@epa.gov)>  
**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>  
**Subject:** RE: Best practices for updating benefits estimates

Hi Neal,

As you know, we're wrapping up the RIA for interagency review to be sent out Wednesday (tomorrow). As part of this, we need to also send our associated workbooks, including the workbook(s) you've used to generate benefit numbers. FYI, whatever files I send tomorrow will likely end up in the docket.

Can you or someone else on your end prepare your spreadsheet(s) for sharing and send them to me by 1:00 pm Wednesday?

I'm happy to discuss tomorrow morning if it would be helpful.

Thanks for your help,

- Brian

**From:** Fann, Neal  
**Sent:** Monday, September 25, 2017 12:30 PM  
**To:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>; Chan, Elizabeth <[Chan.Elizabeth@epa.gov](mailto:Chan.Elizabeth@epa.gov)>; Coffman, Evan <[Coffman.Evan@epa.gov](mailto:Coffman.Evan@epa.gov)>  
**Cc:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>  
**Subject:** Best practices for updating benefits estimates

Hi all,

As we reach our next major milestone for the CPP repeal and distribute the draft chapter to the management team, I wanted to thank you all for taking the time over the past several days to generate new numbers, populate tables and perform QA/QC. Prior to you guys joining the benefits team, we generally only tasked one person with performing the entire analysis. Partly for this reason, I'm less accustomed to performing this work as a team.

Whenever we update any benefits estimates (which occurs frequently in pretty much any RIA project), I think we should send a quick note to the benefits team as well as any "downstream" users of this information (in this case, Brian and Alex), indicating what has changed and by how much. This way, anyone using our numbers to calculate net benefits or NPV will know that they need to update their calculations.

Thanks again for all of your help and being willing to put in the extra effort to get this across the finish line.

-Neal

---

Neal Fann

Health and Environmental Impacts Division

Office of Air Quality Planning and Standards

U.S. Environmental Protection Agency

109 TW Alexander Drive (C539-07)

Research Triangle Park, NC 27711

Phone: (919) 541-0209

**To:** Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Tue 10/24/2017 3:10:36 PM  
**Subject:** RE: draft memo  
CPP next steps and questions - draft v4.docx

...

Hi Darryl,

Attached is a revised version. I made your suggested edit, and also added in a response to comment step in Scenario B.

- Brian

**From:** Keaveny, Brian  
**Sent:** Tuesday, October 24, 2017 10:55 AM  
**To:** Weatherhead, Darryl  
**Cc:** Macpherson, Alex  
**Subject:** RE: draft memo

Thanks Darryl. I'll incorporate that suggestion.

Darryl, do you know if we are required to issue a response to comments for a NODA?

- Brian

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**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl  
<Weatherhead.Darryl@epa.gov>  
**Subject:** RE: draft memo

THX...Minor thing: where we say 'updated health benefits', might as well say "updated climate and health benefits analysis"

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**Subject:** RE: draft memo

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Darryl, attached is a revised version getting at some of Alex's comments. If you're currently marking up another version, just send me that, and I'll merge it with my recent updates.

Thanks,

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<Weatherhead.Darryl@epa.gov>

**Subject:** RE: draft memo

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**Sent:** Tuesday, October 24, 2017 10:03 AM

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**Subject:** draft memo

Hey Darryl and Alex,

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Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238



**To:** Eschmann, Erich[Eschmann.Erich@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Tue 8/29/2017 9:00:26 PM  
**Subject:** RE: Quick turnaround

....

Hi Erich,

It actually would be good to discuss this with you soon. I've been asked to beef up the write-up and have it ready by noon tomorrow, and think I'll need input from you or someone else on your end.

It'd be really helpful to hear your thinking, and whether or not it would be easier with your scheduling conflict if I loop in Jeb for help on some text additions.

Thanks,

- Brian

**From:** Keaveny, Brian  
**Sent:** Tuesday, August 29, 2017 9:48 AM  
**To:** Eschmann, Erich  
**Cc:** Macpherson, Alex  
**Subject:** RE: Quick turnaround

Thanks Erich. Your edits this morning look good, and we don't need to discuss them on my account.

I'm curious if you think we could add anything of value to this half page write-up. We have space for more topics or details if you think they'd be helpful.

If you have a chance to revisit this around midday, please feel free to add what you think would be helpful. I can follow up with you via email after that.

Thanks,

- Brian

**From:** Eschmann, Erich  
**Sent:** Tuesday, August 29, 2017 9:12 AM  
**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>  
**Cc:** Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Subject:** RE: Quick turnaround

I made some edits, and can revisit around midday. Let me know if you want to discuss.

Erich Eschmann

Clean Air Markets Division

U.S. EPA, Office of Air and Radiation

202 343-9128 Phone

202 343-2359 Fax

[eschmann.erich@epa.gov](mailto:eschmann.erich@epa.gov)

**From:** Keaveny, Brian  
**Sent:** Tuesday, August 29, 2017 8:44 AM  
**To:** Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>  
**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>  
**Subject:** RE: Quick turnaround

Great, thanks Erich.

- Brian

**From:** Eschmann, Erich  
**Sent:** Tuesday, August 29, 2017 6:53 AM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>  
**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>  
**Subject:** Re: Quick turnaround

Hi Brian. I'll take a look at the share point draft first thing this morning.

Erich

On Aug 28, 2017, at 18:04, Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)> wrote:

Hi Erich,

I'm reaching out with regard to the memo we're drafting by COB Wednesday that is about how the world has changed since the IPM analysis was conducted for the Final CPP. I'm hoping you'll be able to assist, but hear you might have some conflicting events the next couple of days.

Do you think you'll have availability to help draft this document by COB Wednesday? If not, do you have a recommendation on who else in your group might be able to assist with this IPM-focused write-up?

Thanks,

- Brian

---

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex

**Sent:** Monday, August 28, 2017 2:23 PM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>

**Subject:** RE: Quick turnaround

All: See link below to our sharepoint for document called “why new analysis is warranted”, or what’s changed since 2015 that necessitates new power sector modeling work. This is the start of the requested 1 to 1.5 pager. It is basically a section of the draft RIA with some extra comments/questions about where we want to go with this. We’re shooting to have this done by end of Weds...not a heavy lift but some initial strategic thoughts would be good.

Thanks, Alex

[https://usepa-my.sharepoint.com/personal/macpherson\\_alex\\_epa\\_gov/\\_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1](https://usepa-my.sharepoint.com/personal/macpherson_alex_epa_gov/_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1)

**From:** Macpherson, Alex

**Sent:** Friday, August 25, 2017 3:50 PM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>

**Cc:** Kamal, Ali <Kamal.Ali@epa.gov>

**Subject:** RE: Quick turnaround

All

Thanks for your work today...attached is the draft that I sent forward. Have a good weekend, everyone

Alex

**From:** Macpherson, Alex

**Sent:** Friday, August 25, 2017 11:49 AM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>

**Cc:** Kamal, Ali <Kamal.Ali@epa.gov>

**Subject:** RE: Quick turnaround

All: please have a look at document now it seems full draft is there. Please review your tasks and associated timing, as well as whiz-bang Gantt chart, per Alex Marten.

Thanks

Alex

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**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>

**Cc:** Kamal, Ali <Kamal.Ali@epa.gov>

**Subject:** Quick turnaround

**Importance:** High

Team,

Resulting from a discussion between EPA and OMB earlier today, we need to produce a timeline for producing a new CPP repeal RIA that contains new power sector modeling.

This timeline needs to be completed by cob tomorrow (Friday 8/25). We will produce this timeline and send to OAQPS management before an OAR/OP career staff manager meeting which will likely be scheduled for 2 pm Friday afternoon.

I will set up meeting for first thing Friday morning...not the best of timing, obviously, but this is not negotiable.

More details in the morning....thanks all and talk to you soon

Alex

**To:** Eschmann, Erich[Eschmann.Erich@epa.gov]; Adamantiades, Mikhail[Adamantiades.Mikhail@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]; Shouse, Kate[Shouse.Kate@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Tue 8/29/2017 8:09:07 PM  
**Subject:** RE: Quick turnaround

...

Hi Everyone,

Following up on Alex's email, I want to make sure you all have a chance to provide input on the brief document we're drafting about why new analysis is warranted. (SharePoint link is below.)

We need to get this out before COB Wednesday, so I'd appreciate you making any suggested edits by tomorrow morning.

Feel free to give me a call if it'd be helpful.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

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**Sent:** Monday, August 28, 2017 2:23 PM

**To:** Keaveny, Brian ; Eschmann, Erich ; Adamantiades, Mikhail ; Bryson, Joe ; Shouse, Kate ; Marten, Alex ; Evans, DavidA

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Erich Eschmann

Clean Air Markets Division

U.S. EPA, Office of Air and Radiation

202 343-9128 Phone

202 343-2359 Fax

[eschmann.erich@epa.gov](mailto:eschmann.erich@epa.gov)

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Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

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Phone: 919-541-5238

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**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>

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[https://usepa-my.sharepoint.com/personal/macpherson\\_alex\\_epa\\_gov/\\_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1](https://usepa-my.sharepoint.com/personal/macpherson_alex_epa_gov/_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1)

**From:** Macpherson, Alex

**Sent:** Friday, August 25, 2017 3:50 PM

**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>

**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>

**Subject:** RE: Quick turnaround

All

Thanks for your work today...attached is the draft that I sent forward. Have a good weekend, everyone

Alex

**From:** Macpherson, Alex

**Sent:** Friday, August 25, 2017 11:49 AM

**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Shouse, Kate <[Shouse.Kate@epa.gov](mailto:Shouse.Kate@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>

**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>

**Subject:** RE: Quick turnaround

All: please have a look at document now it seems full draft is there. Please review your tasks and associated timing, as well as whiz-bang Gantt chart, per Alex Marten.

Thanks

Alex

**From:** Macpherson, Alex

**Sent:** Thursday, August 24, 2017 4:19 PM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>

**Cc:** Kamal, Ali <Kamal.Ali@epa.gov>

**Subject:** Quick turnaround

**Importance:** High

Team,

Resulting from a discussion between EPA and OMB earlier today, we need to produce a timeline for producing a new CPP repeal RIA that contains new power sector modeling.

This timeline needs to be completed by cob tomorrow (Friday 8/25). We will produce this timeline and send to OAQPS management before an OAR/OP career staff manager meeting which will likely be scheduled for 2 pm Friday afternoon.

I will set up meeting for first thing Friday morning...not the best of timing, obviously, but this is not negotiable.

More details in the morning....thanks all and talk to you soon

Alex

**To:** Eschmann, Erich[Eschmann.Erich@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Tue 8/29/2017 12:44:09 PM  
**Subject:** RE: Quick turnaround

...

Great, thanks Erich.

- Brian

**From:** Eschmann, Erich  
**Sent:** Tuesday, August 29, 2017 6:53 AM  
**To:** Keaveny, Brian  
**Cc:** Macpherson, Alex  
**Subject:** Re: Quick turnaround

Hi Brian. I'll take a look at the share point draft first thing this morning.

Erich

On Aug 28, 2017, at 18:04, Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)> wrote:

Hi Erich,

I'm reaching out with regard to the memo we're drafting by COB Wednesday that is about how the world has changed since the IPM analysis was conducted for the Final CPP. I'm hoping you'll be able to assist, but hear you might have some conflicting events the next couple of days.

Do you think you'll have availability to help draft this document by COB Wednesday? If not, do you have a recommendation on who else in your group might be able to assist with this IPM-focused write-up?

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex

**Sent:** Monday, August 28, 2017 2:23 PM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>

**Subject:** RE: Quick turnaround

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Thanks, Alex

[https://usepa-](https://usepa-my.sharepoint.com/personal/macpherson_alex_epa_gov/_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1:)

[my.sharepoint.com/personal/macpherson\\_alex\\_epa\\_gov/\\_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1:](https://usepa-my.sharepoint.com/personal/macpherson_alex_epa_gov/_layouts/15/onedrive.aspx?AjaxDelta=1&isStartPlt1:)

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**Sent:** Friday, August 25, 2017 3:50 PM

**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>

**Cc:** Kamal, Ali <Kamal.Ali@epa.gov>

**Subject:** RE: Quick turnaround

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**From:** Macpherson, Alex

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**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>

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**Cc:** Kamal, Ali <Kamal.Ali@epa.gov>  
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**To:** Eschmann, Erich[Eschmann.Erich@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Mon 8/28/2017 10:04:48 PM  
**Subject:** FW: Quick turnaround

...

Hi Erich,

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Thanks,

- Brian

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Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex

**Sent:** Monday, August 28, 2017 2:23 PM

**To:** Keaveny, Brian ; Eschmann, Erich ; Adamantiades, Mikhail ; Bryson, Joe ; Shouse, Kate ; Marten, Alex ; Evans, DavidA

**Subject:** RE: Quick turnaround

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**Cc:** Kamal, Ali <[Kamal.Ali@epa.gov](mailto:Kamal.Ali@epa.gov)>  
**Subject:** Quick turnaround  
**Importance:** High

Team,



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More details in the morning....thanks all and talk to you soon

Alex

**To:** Swanson, Nicholas[Swanson.Nicholas@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Thur 10/12/2017 7:15:43 PM  
**Subject:** RIA and workbooks to docket  
[forgone climate benefit analysis - 10052017.xlsx](#)  
[present value analysis - 10052017.xlsx](#)  
[forgone health co-benefit analysis - 09272017.xlsx](#)  
[DS-EE-driven reduction in expenditures - 09272017.xlsx](#)  
[ria\\_proposed-cpp-repeal\\_2017-10.pdf](#)  
[forgone benefit and avoided cost tables - 10122017.xlsx](#)

;

Hi Nick,

Attached is the RIA and five workbooks ready for the CPP repeal docket. I'd be glad to tell you more about what these workbooks contain if needed. If you feel you need to modify any of these file names, please contact me first. If we edit title names in one workbook, I may need to edit citations in other workbooks.

Also attached is the RIA. Please docket this too.

Of course, feel free to call if you have questions.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**To:** Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Thur 10/12/2017 8:08:04 PM  
**Subject:** RE: Docket items due cob today

...

Hi Elizabeth,

Alex mentioned that you are working on adding some files to SharePoint that need to be docketed. Please let me know if you have any questions. Alex Macpherson is now out for the day, and I'll be the one making sure your files make it to the docket.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Macpherson, Alex  
**Sent:** Thursday, October 12, 2017 10:22 AM  
**To:** Evans, DavidA  
**Cc:** Fann, Neal ; Adamantiades, Mikhail ; Bryson, Joe ; Marten, Alex ; Kopits, Elizabeth ; Ferris, Ann ; Maguire, Kelly ; Jenkins, Robin ; Ragnauth, Shaun ; Keaveny, Brian  
**Subject:** RE: Docket items due cob today

Dave

I'm told no...we should just docket the increment that is newly cited in the 2017 RIA.

We're docketing the 2015 RIA as a core document, along with the EE TSD since I think we reference it a few times.

Alex

**From:** Evans, DavidA  
**Sent:** Thursday, October 12, 2017 10:19 AM  
**To:** Macpherson, Alex <Macpherson.Alex@epa.gov>  
**Cc:** Fann, Neal <Fann.Neal@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex

<Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Maguire, Kelly <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>

**Subject:** Re: Docket items due cob today

Alex,

This seems to be implied by the inclusion of the 2015 RIA in your list, but do we need to docket all referenced materials, including those that are in the CPP docket?

Thanks,

Dave

Sent from my iPhone

On Oct 12, 2017, at 9:36 AM, Macpherson, Alex <Macpherson.Alex@epa.gov> wrote:

Team

See below...the FR notice will be published Monday. We need to have our docket items to our coordinator by cob today. Here's what we plan to docket and the responsible party:

- New RIA and supporting spreadsheets (Brian)
- 2015 RIA and key supporting material (EE TSD, for example) (Alex Mac)
- Material passed back and forth between EIA and EPA. I'm told we do not need to docket teleconferences with EIA. (Alex Mac)
- Newly cited articles and reports (OP staff). For articles, please try to name pdf file according to the following convention:

- o Author YEAR.pdf
- o Author1 and Author2 YEAR pdf
- o Author1 et al YEAR.pdf
- o Organization YEAR.pdf

Do not send materials to me via email. Rather, send me an email that you have loaded you material into this directory on our team Sharepoint:

[https://usepa.sharepoint.com/sites/oar\\_Work/PPP\\_111d\\_RIA\\_FINAL/Shared%20Documents/Proposal%202017](https://usepa.sharepoint.com/sites/oar_Work/PPP_111d_RIA_FINAL/Shared%20Documents/Proposal%202017)

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

**From:** Eck, Janet

**Sent:** Thursday, October 12, 2017 8:43 AM

**To:** Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Dunkins, Robin <[Dunkins.Robin@epa.gov](mailto:Dunkins.Robin@epa.gov)>; Culligan, Kevin <[Culligan.Kevin@epa.gov](mailto:Culligan.Kevin@epa.gov)>; Tsirigotis, Peter <[Tsirigotis.Peter@epa.gov](mailto:Tsirigotis.Peter@epa.gov)>; French, Chuck <[French.Chuck@epa.gov](mailto:French.Chuck@epa.gov)>; Thompson, Fred <[Thompson.Fred@epa.gov](mailto:Thompson.Fred@epa.gov)>; Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>; Scavo, Kimber <[Scavo.Kimber@epa.gov](mailto:Scavo.Kimber@epa.gov)>; Sasser, Erika <[Sasser.Erika@epa.gov](mailto:Sasser.Erika@epa.gov)>  
**Cc:** Rush, Alan <[Rush.Alan@epa.gov](mailto:Rush.Alan@epa.gov)>; Iglesias, Amber <[Iglesias.Amber@epa.gov](mailto:Iglesias.Amber@epa.gov)>; Henigin, Mary <[Henigin.Mary@epa.gov](mailto:Henigin.Mary@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>; South, Peter <[South.Peter@epa.gov](mailto:South.Peter@epa.gov)>

**Subject:** FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

The CPP Repeal is scheduled to publish Monday, 10/16/17. Thanks.

**From:** Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

**Sent:** Wednesday, October 11, 2017 4:43 PM

**To:** Eck, Janet <[Eck.Janet@epa.gov](mailto:Eck.Janet@epa.gov)>; Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>; Wingate, Diedra <[Wingate.Diedra@epa.gov](mailto:Wingate.Diedra@epa.gov)>

**Subject:** FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

Your document is about to publish in the Federal Register. This publication date has been confirmed with the Office of the Federal Register.

Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

**To:** Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Thur 10/12/2017 9:04:32 PM  
**Subject:** RE: Docket items due cob today

.....  
Hi Alex,

Thanks, I'll pass along that file. I'm trying to track down a few remaining files that relate to EE since I'm not sure if they've been submitted yet. If you or anyone else on your end is able to give me a call, I'd definitely appreciate it.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

**From:** Marten, Alex  
**Sent:** Thursday, October 12, 2017 4:52 PM  
**To:** Kopits, Elizabeth ; Keaveny, Brian  
**Cc:** Macpherson, Alex ; Evans, DavidA  
**Subject:** RE: Docket items due cob today

We figured out the issue. The results file has been uploaded to sharepoint. I now believe that NCEE has no more files for the docket.

--

Alex Marten  
phone: (202) 566-2301  
email: [marten.alex@epa.gov](mailto:marten.alex@epa.gov)

**From:** Kopits, Elizabeth  
**Sent:** Thursday, October 12, 2017 4:11 PM  
**To:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>  
**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>  
**Subject:** RE: Docket items due cob today

Hi Brian,

Alex Marten and I were just doing some QAQC on the results files and we are trying to figure out one error. If we can't get to the bottom of it soon, is it possible to add these tomorrow morning?

Thanks,

Elizabeth

**From:** Keaveny, Brian  
**Sent:** Thursday, October 12, 2017 4:08 PM  
**To:** Kopits, Elizabeth <[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)>  
**Cc:** Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>  
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**Sent:** Thursday, October 12, 2017 10:22 AM  
**To:** Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>  
**Cc:** Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>; Adamantiades, Mikhail <[Adamantiades.Mikhail@epa.gov](mailto:Adamantiades.Mikhail@epa.gov)>; Bryson, Joe <[Bryson.Joe@epa.gov](mailto:Bryson.Joe@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Kopits, Elizabeth <[Kopits.Elizabeth@epa.gov](mailto:Kopits.Elizabeth@epa.gov)>; Ferris, Ann <[Ferris.Ann@epa.gov](mailto:Ferris.Ann@epa.gov)>; Maguire, Kelly <[Maguire.Kelly@epa.gov](mailto:Maguire.Kelly@epa.gov)>; Jenkins, Robin <[Jenkins.Robin@epa.gov](mailto:Jenkins.Robin@epa.gov)>; Ragnauth, Shaun <[Ragnauth.Shaun@epa.gov](mailto:Ragnauth.Shaun@epa.gov)>; Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>  
**Subject:** RE: Docket items due cob today

Dave

I'm told no...we should just docket the increment that is newly cited in the 2017 RIA.

We're docketing the 2015 RIA as a core document, along with the EE TSD since I think we reference it a few times.

Alex

**From:** Evans, DavidA

**Sent:** Thursday, October 12, 2017 10:19 AM

**To:** Macpherson, Alex <Macpherson.Alex@epa.gov>

**Cc:** Fann, Neal <Fann.Neal@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Maguire, Kelly <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>

**Subject:** Re: Docket items due cob today

Alex,

This seems to be implied by the inclusion of the 2015 RIA in your list, but do we need to docket all referenced materials, including those that are in the CPP docket?

Thanks,

Dave

Sent from my iPhone

On Oct 12, 2017, at 9:36 AM, Macpherson, Alex <Macpherson.Alex@epa.gov> wrote:

Team

See below...the FR notice will be published Monday. We need to have our docket items to our coordinator by cob today. Here's what we plan to docket and the responsible party:

- New RIA and supporting spreadsheets (Brian)
- 2015 RIA and key supporting material (EE TSD, for example) (Alex Mac)
- Material passed back and forth between EIA and EPA. I'm told we do not need to docket teleconferences with EIA. (Alex Mac)
- Newly cited articles and reports (OP staff). For articles, please try to name pdf file according to the following convention:



o Author YEAR.pdf

o Author1 and Author2 YEAR pdf

o Author1 et al YEAR.pdf

o Organization YEAR.pdf

Do not send materials to me via email. Rather, send me an email that you have loaded you material into this directory on our team Sharepoint:

[https://usepa.sharepoint.com/sites/oar\\_Work/CPP\\_111d\\_RIA\\_FINAL/Shared%20Documents/Proposal%202020](https://usepa.sharepoint.com/sites/oar_Work/CPP_111d_RIA_FINAL/Shared%20Documents/Proposal%202020)

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

**From:** Eck, Janet

**Sent:** Thursday, October 12, 2017 8:43 AM

**To:** Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Dunkins, Robin <[Dunkins.Robin@epa.gov](mailto:Dunkins.Robin@epa.gov)>; Culligan, Kevin <[Culligan.Kevin@epa.gov](mailto:Culligan.Kevin@epa.gov)>; Tsirigotis, Peter <[Tsirigotis.Peter@epa.gov](mailto:Tsirigotis.Peter@epa.gov)>; French, Chuck <[French.Chuck@epa.gov](mailto:French.Chuck@epa.gov)>; Thompson, Fred <[Thompson.Fred@epa.gov](mailto:Thompson.Fred@epa.gov)>; Macpherson, Alex <[Macpherson.Alex@epa.gov](mailto:Macpherson.Alex@epa.gov)>; Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>; Scavo, Kimber <[Scavo.Kimber@epa.gov](mailto:Scavo.Kimber@epa.gov)>; Sasser, Erika <[Sasser.Erika@epa.gov](mailto:Sasser.Erika@epa.gov)>  
**Cc:** Rush, Alan <[Rush.Alan@epa.gov](mailto:Rush.Alan@epa.gov)>; Iglesias, Amber <[Iglesias.Amber@epa.gov](mailto:Iglesias.Amber@epa.gov)>; Henigin, Mary <[Henigin.Mary@epa.gov](mailto:Henigin.Mary@epa.gov)>; Koerber, Mike <[Koerber.Mike@epa.gov](mailto:Koerber.Mike@epa.gov)>; South, Peter <[South.Peter@epa.gov](mailto:South.Peter@epa.gov)>

**Subject:** FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

The CPP Repeal is scheduled to publish Monday, 10/16/17. Thanks.

**From:** Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

**Sent:** Wednesday, October 11, 2017 4:43 PM

**To:** Eck, Janet <[Eck.Janet@epa.gov](mailto:Eck.Janet@epa.gov)>; Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; Vasu, Amy <[Vasu.Amy@epa.gov](mailto:Vasu.Amy@epa.gov)>; Wingate, Diedra <[Wingate.Diedra@epa.gov](mailto:Wingate.Diedra@epa.gov)>

**Subject:** FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

**Importance:** High

Your document is about to publish in the Federal Register. This publication date has been confirmed with the Office of the Federal Register.

Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017



**To:** Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]  
**Cc:** Macpherson, Alex[Macpherson.Alex@epa.gov]  
**From:** Keaveny, Brian  
**Sent:** Thur 10/12/2017 9:11:37 PM  
**Subject:** RE: Docket items due cob today

.....  
~~~~~

Thanks Dave. Yeah, I'm checking the list of papers in the Reference sections against what folks have provided for the docket. It may be that I'm overlooking something that Alex has already sent us, but I'm having trouble finding a few of the papers on the SharePoint site.

Dave, I'll try calling you now.

Thanks,

- Brian

From: Evans, DavidA
Sent: Thursday, October 12, 2017 5:06 PM
To: Keaveny, Brian ; Marten, Alex ; Kopits, Elizabeth
Cc: Macpherson, Alex
Subject: RE: Docket items due cob today

Brian,

I'm available to talk if Alex isn't. But do you mean papers or something else? Alex uploaded papers.

d

From: Keaveny, Brian
Sent: Thursday, October 12, 2017 5:05 PM
To: Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Docket items due cob today

Hi Alex,

Thanks, I'll pass along that file. I'm trying to track down a few remaining files that relate to EE since I'm not sure if they've been submitted yet. If you or anyone else on your end is able to give me a call, I'd definitely appreciate it.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

From: Marten, Alex

Sent: Thursday, October 12, 2017 4:52 PM

To: Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>

Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>

Subject: RE: Docket items due cob today

We figured out the issue. The results file has been uploaded to sharepoint. I now believe that NCEE has no more files for the docket.

--

Alex Marten

phone: (202) 566-2301

email: marten.alex@epa.gov

From: Kopits, Elizabeth

Sent: Thursday, October 12, 2017 4:11 PM

To: Keaveny, Brian <Keaveny.Brian@epa.gov>

Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: Docket items due cob today

Hi Brian,

Alex Marten and I were just doing some QAQC on the results files and we are trying to figure out one error. If we can't get to the bottom of it soon, is it possible to add these tomorrow morning?

Thanks,

Elizabeth

From: Keaveny, Brian

Sent: Thursday, October 12, 2017 4:08 PM

To: Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>

Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: RE: Docket items due cob today

Hi Elizabeth,

Alex mentioned that you are working on adding some files to SharePoint that need to be docketed. Please let me know if you have any questions. Alex Macpherson is now out for the day, and I'll be the one making sure your files make it to the docket.

Thanks,

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

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Phone: 919-541-5238

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Cc: Fann, Neal <Fann.Neal@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Maguire, Kelly <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>

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Cc: Fann, Neal <Fann.Neal@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Maguire, Kelly <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>

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Sent from my iPhone

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- o Author1 et al YEAR.pdf
- o Organization YEAR.pdf

Do not send materials to me via email. Rather, send me an email that you have loaded you material into this directory on our team Sharepoint:

https://usepa.sharepoint.com/sites/oar_Work/CPP_111d_RIA_FINAL/Shared%20Documents/Proposal%202017

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

From: Eck, Janet

Sent: Thursday, October 12, 2017 8:43 AM

To: Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Dunkins, Robin <Dunkins.Robin@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; French, Chuck <French.Chuck@epa.gov>; Thompson, Fred <Thompson.Fred@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber <Scavo.Kimber@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Cc: Rush, Alan <Rush.Alan@epa.gov>; Iglesias, Amber <Iglesias.Amber@epa.gov>; Henigin, Mary <Henigin.Mary@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; South, Peter <South.Peter@epa.gov>

Subject: FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

Importance: High

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From: Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

Sent: Wednesday, October 11, 2017 4:43 PM

To: Eck, Janet <Eck.Janet@epa.gov>; Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Wingate, Diedra <Wingate.Diedra@epa.gov>

Subject: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

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Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

To: Bryson, Joe[Bryson.Joe@epa.gov]
Cc: Eschmann, Erich[Eschmann.Erich@epa.gov]
From: Macpherson, Alex
Sent: Tue 9/19/2017 10:18:57 PM
Subject: RE: Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

.....
?????

Will try to get all of OAQPS on boat before 1.

From: Bryson, Joe
Sent: Tuesday, September 19, 2017 6:02 PM
To: Eschmann, Erich ; Macpherson, Alex
Subject: Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Alex/Erich,

I just spoke w/ Carolyn after seeing that the 3 of us seem to be on same page on this

Ex. 5 - Deliberative Process

This could well come up at the 1-2pm call tomorrow re CPP that Al Mc. sent out so **to be most effective we need to prep key OAR bosses w/ common arguments (talking points)**. Erich would share, explain to Jeb/Rick, I'd share/explain to Carolyn, and Good Alex would share/explain to Darryl/Erika as well as Kevin C.

To implement this master plan, the 3 of us need to agree on arguments/TPs. Carolyn pointed out that ultimately they'd need to be compelling to Al (ideally) and part of that would be to make them compelling to his political bosses (Samantha, maybe Mandy, etc.). I think this kinda requires the super high level points and then the next level w/ a little more info for audience of Al Mc/staff.

Below is my first quick cut at arguments/TPs. I'm hoping we can agree on these NLT ~10am tomorrow so we all can share/use w/ our bosses.

Thanks, Joe, (202) 343-9631

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

From: Eschmann, Erich

Sent: Tuesday, September 19, 2017 4:54 PM

To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>

Subject: RE: good call

Agree on both points.

Erich Eschmann

Clean Air Markets Division

U.S. EPA, Office of Air and Radiation

202 343-9128 Phone

202 343-2359 Fax

eschmann.erich@epa.gov

From: Macpherson, Alex

Sent: Tuesday, September 19, 2017 3:26 PM

To: Eschmann, Erich <Eschmann.Erich@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>
Subject: good call

Thanks Joe. You handled call very well.

Ex. 5 - Deliberative Process

Thoughts?
Alex

To: Ferris, Ann[Ferris.Ann@epa.gov]; Kaufman, Kathy[Kaufman.Kathy@epa.gov]
Cc: Jenkins, Robin[Jenkins.Robin@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
From: Macpherson, Alex
Sent: Tue 9/19/2017 8:36:54 PM
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

.....
>>>>>
Ann

Took awhile to get to it, but correction is made.

Alex

From: Ferris, Ann
Sent: Friday, September 15, 2017 10:21 AM
To: Macpherson, Alex ; Kaufman, Kathy
Cc: Jenkins, Robin ; Evans, DavidA ; Marten, Alex
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Alex,

One quick correction. I just double-checked the newly-added OMB (2015) citation:

Ex. 5 - Deliberative Process

And here's the citation for OMB (2015):

U.S. Office of Management and Budget. 2015. *2015 Report to Congress on the Benefits and Costs of Federal Regulations and Agency Compliance with the Unfunded Mandates Reform Act*. Available at: <
https://obamawhitehouse.archives.gov/sites/default/files/omb/inforeg/2015_cb/2015-cost-benefit-report.pdf>. Accessed Sept. 15, 2017.

Thanks,

Ann

From: Macpherson, Alex
Sent: Friday, September 15, 2017 10:01 AM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>;
Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Yes, I've flagged that footnote to make sure we want to keep once dust settles on some of the issues

Alex

From: Ferris, Ann
Sent: Friday, September 15, 2017 9:56 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>;
Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Thanks, all.

Ex. 5 - Deliberative Process

Finally – happy retirement, Kathy!! It's been a great pleasure working with you, too.

Thanks,

Ann

202-564-3207

From: Macpherson, Alex
Sent: Friday, September 15, 2017 9:44 AM
To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>;
Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Yes, thank you Ann and others for your work on this. It is now folded into the current drafts.

Alex

From: Kaufman, Kathy

Sent: Thursday, September 14, 2017 4:34 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>

Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: FW: CPP repeal RIA draft response to interagency comments on employment impacts

Hey Ann – I think you did a really nice job editing – the section is really clear and thorough. I think it's good to go. Same with the comment responses on employment.

I'm cc'ing Alex Macpherson so he can see the edits and fold in the comment responses.

Thanks!

-Kathy

PS – just a fyi – I'm retiring on Sept 29. It's been great working with you all.

From: Ferris, Ann

Sent: Thursday, September 14, 2017 3:12 PM

To: Jenkins, Robin <Jenkins.Robin@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Alex, and Dave,

Robin and I have revised the RIA section on employment, hopefully reflecting our discussion earlier this week. We've also attached a revised draft response to the interagency comments on the employment analysis. See attached. Happy to discuss.

I'm heading out a bit earlier today --soon, but will be in again in the morning. Please feel free to call if you'd like to discuss before tomorrow morning.

Thanks,

Ann

564-3207

From: Jenkins, Robin

Sent: Monday, September 11, 2017 12:07 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Ann, My comments are attached. Apologies but when I saved, they all became marked as "Author." But you can still use compare docs to see them.

Robin

From: Ferris, Ann

Sent: Thursday, September 07, 2017 2:08 PM

To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Robin, Alex, and Dave,

To help get things started, on the CPP repeal RIA revisions to the section on employment impacts, I've put together an initial draft, responding to interagency comments. I've also included draft responses to each interagency comment.

In responding to comments, I relied on interagency suggestions, our revisions to the CWR repeal RIA employment section, our discussions in the Task 1 workgroup and report, and pulling in additional details from the 2015 CPP RIA.

It would be great if we could meet sometime early next week to discuss.

Thanks,

Ann

564-3207

To: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Wed 9/27/2017 10:59:19 PM
Subject: FW: CPP RIA
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20170927.docx](#)
[Response to Interagency Comments 092717.docx](#)

Fyi...Brian was amazing. Would not have happened without him in all honesty

From: Sasser, Erika
Sent: Wednesday, September 27, 2017 4:53 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>
Cc: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Stenhouse, Jeb <Stenhouse.Jeb@epa.gov>; Gunning, Paul <Gunning.Paul@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Snyder, Carolyn <Snyder.Carolyn@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>
Subject: CPP RIA

RIA was just sent over-- a tremendous thank you to all of you for your help in getting this done. As always, I'm impressed with the amazing OAR teamwork! You guys have done a great job on a really fast schedule. All of your effort and patience is very much appreciated.

Thanks,

Erika

p.s. adding files sent so everyone has a copy—please forward to anyone I've inadvertently left off the list

To: Wayland, Robertj[Wayland.Robertj@epa.gov]; Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Fann, Neal
Sent: Thur 9/28/2017 11:13:44 AM
Subject: RE: Clean Version of Final CPP RIA?
EO12866_CPP Repeal 2060-AT55 Proposal RIA_20170927.docx

Bob—here is the version that was sent over to OMB yesterday afternoon.

Fingers crossed that we hear back from OMB this afternoon and can wrap this up before the weekend.

From: Wayland, Robertj
Sent: Wednesday, September 27, 2017 3:28 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Fann, Neal <Fann.Neal@epa.gov>
Subject: Clean Version of Final CPP RIA?

Alex/Neal –

When you a clean, complete version of the CPP RIA (e.g., what goes over to OMB) would you please let me know where I can find it on SharePoint? I'd like to save a copy to my laptop so that I can re-read the final version ... and be able to ask you guys any questions that I'm sure I'll have! ☺ Also would like to start preparing for our next conversation with OMB later this week or early next week.

Thanks again for all your hard work and leadership on making this happen – you guys have been simply amazing! ☺

Bob

Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail
Code – C539-07 I

Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711
|

Desk: 919-541-1045 | Cell: 919-306-2290 | Fax: 919-541-5315 |

*Note: Positions or views expressed here do not represent official EPA policy. Interagency Deliberative
and Confidential*

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Fingers crossed that we hear back from OMB this afternoon and can wrap this up before the weekend.

From: Wayland, Robertj
Sent: Wednesday, September 27, 2017 3:28 PM
To: Macpherson, Alex
Cc: Fann, Neal
Subject: Clean Version of Final CPP RIA?

Alex/Neal –

When you a clean, complete version of the CPP RIA (e.g., what goes over to OMB) would you please let me know where I can find it on SharePoint? I'd like to save a copy to my laptop so that I can re-read the final version ... and be able to ask you guys any questions that I'm sure I'll have! ☺ Also would like to start preparing for our next conversation with OMB later this week or early next week.

Thanks again for all your hard work and leadership on making this happen – you guys have been simply amazing! ☺

Bob

Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail Code – C539-07 I

Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711
|

Desk: 919-541-1045 | Cell: 919-306-2290 | Fax: 919-541-5315 |

Note: Positions or views expressed here do not represent official EPA policy. Interagency Deliberative and Confidential

To: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Wed 9/27/2017 10:59:36 PM
Subject: FW: CPP RIA
[EO12866 CPP Repeal 2060-AT55 Proposal RIA 20170927.docx](#)
[Response to Interagency Comments 092717.docx](#)

::

Fyi...Brian was amazing. Would not have happened without him in all honesty

From: Sasser, Erika
Sent: Wednesday, September 27, 2017 4:53 PM
To: Macpherson, Alex ; Keaveny, Brian ; Fann, Neal ; Coffman, Evan ; Chan, Elizabeth ; Bryson, Joe ; Eschmann, Erich ; Ragnauth, Shaun
Cc: Weatherhead, Darryl ; Wayland, Robertj ; Stenhouse, Jeb ; Gunning, Paul ; Harvey, Reid ; Snyder, Carolyn ; Culligan, Kevin
Subject: CPP RIA

RIA was just sent over-- a tremendous thank you to all of you for your help in getting this done. As always, I'm impressed with the amazing OAR teamwork! You guys have done a great job on a really fast schedule. All of your effort and patience is very much appreciated.

Thanks,

Erika

p.s. adding files sent so everyone has a copy—please forward to anyone I've inadvertently left off the list

To: Wayland, Robertj[Wayland.Robertj@epa.gov]
From: Macpherson, Alex
Sent: Mon 9/25/2017 11:11:18 PM
Subject: RE: Draft CPP repeal RIA for managment review (9/25)

Bob

Yes, I pasted it into the same draft RIA

Alex

From: Wayland, Robertj
Sent: Monday, September 25, 2017 7:11 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: Re: Draft CPP repeal RIA for managment review (9/25)

I can use the same link you sent earlier today to review the ES - right?

Bob

Sent from my iPhone

On Sep 25, 2017, at 6:28 PM, Macpherson, Alex <Macpherson.Alex@epa.gov> wrote:

All

I have folded the draft executive summary into same draft RIA you have been reviewing.

The executive summary is still quite rough and long (many tables). While the structure is there, we will work tomorrow to figure out whether it is possible to make the summary more concise.

Thanks
Alex

From: Macpherson, Alex
Sent: Monday, September 25, 2017 12:55 PM
To: Stenhouse, Jeb <Stenhouse.Jeb@epa.gov>; Snyder, Carolyn <Snyder.Carolyn@epa.gov>; Haeuber, Richard <Haeuber.Richard@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Gunning, Paul <Gunning.Paul@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; McGartland, Al <McGartland.Al@epa.gov>
Cc: Marten, Alex <Marten.Alex@epa.gov>
Subject: Draft CPP repeal RIA for management review (9/25)

All

I have set up a draft version of the CPP repeal RIA and separate document responding to interagency comments on my Sharepoint for your review. The links will soon follow this email.

This draft does includes placeholders for the executive summary and the review of studies by non-governmental institutions and researchers. Also, some fine-tuning of language, footnotes, and formatting, etc is in progress.

Please offer comments/suggestions on the documents using “track changes” by noon tomorrow (Tuesday, 9/26). We currently plan to send revised RIA to OMB cob Wednesday of this week.

Also, at close of business today, I plan to fold in the executive summary for your review. I will send an update when I do this.

Thanks, and let me know if you have any questions,
Alex

Alexander Macpherson, PhD

Senior Economist

Office of Air and Radiation

US Environmental Protection Agency

919-541-9770

To: Swanson, Nicholas[Swanson.Nicholas@epa.gov]; Skinner-Thompson, Jonathan[Skinner-Thompson.Jonathan@epa.gov]; Culligan, Kevin[Culligan.Kevin@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]
Cc: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Wed 10/11/2017 1:10:48 PM
Subject: RE: CPP Repeal Documents for the Docket

Hey Nick

[cc=ing Darryl]

Brian and I will start pulling things together. One question:

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Alex

From: Swanson, Nicholas
Sent: Tuesday, October 10, 2017 4:17 PM
To: Skinner-Thompson, Jonathan <Skinner-Thompson.Jonathan@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: CPP Repeal Documents for the Docket

Hey folks,

I am accumulating documents to put in the docket for the CPP Repeal (which was signed

today... WOOT?) and was wondering you had anything to add. I think the plan is to have this package published next week so we should have all the documents loaded up by the end of this week. Let me know if you have anything or any questions. Please include others that you may know with information that should be added. Thanks

Nick Swanson

919-541-4080

To: Swanson, Nicholas[Swanson.Nicholas@epa.gov]; Skinner-Thompson, Jonathan[Skinner-Thompson.Jonathan@epa.gov]; Culligan, Kevin[Culligan.Kevin@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]
Cc: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Wed 10/11/2017 1:42:43 PM
Subject: RE: CPP Repeal Documents for the Docket

OK. We can do that. Follow ups:

Ex. 5 - Deliberative Process

Alex

From: Swanson, Nicholas
Sent: Wednesday, October 11, 2017 9:16 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Skinner-Thompson, Jonathan <Skinner-Thompson.Jonathan@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>
Cc: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RE: CPP Repeal Documents for the Docket

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process Hope that this helps. Give me a call to chat if this doesn't make sense

Nick

From: Macpherson, Alex
Sent: Wednesday, October 11, 2017 9:11 AM
To: Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Skinner-Thompson, Jonathan <Skinner-Thompson.Jonathan@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>
Cc: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RE: CPP Repeal Documents for the Docket

Hey Nick

[cc-ing Darryl]

Brian and I will start pulling things together. One question:

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Alex

From: Swanson, Nicholas

Sent: Tuesday, October 10, 2017 4:17 PM

To: Skinner-Thompson, Jonathan <Skinner-Thompson.Jonathan@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: CPP Repeal Documents for the Docket

Hey folks,

I am accumulating documents to put in the docket for the CPP Repeal (which was signed today... WOOT?) and was wondering you had anything to add. I think the plan is to have this package published next week so we should have all the documents loaded up by the end of this week. Let me know if you have anything or any questions. Please include others that you may know with information that should be added. Thanks

Nick Swanson

919-541-4080

To: Macpherson, Alex[Macpherson.Alex@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov];
Steiner, Elyse[Steiner.Elyse@epa.gov]
From: Culligan, Kevin
Sent: Fri 9/15/2017 4:12:48 PM
Subject: RE: interagency comments

....
,,,,
Sounds good

From: Macpherson, Alex
Sent: Friday, September 15, 2017 12:06 PM
To: Culligan, Kevin ; Keaveny, Brian ; Steiner, Elyse
Subject: RE: interagency comments

Ex. 5 - Deliberative Process

From: Culligan, Kevin
Sent: Friday, September 15, 2017 11:25 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Keaveny, Brian
<Keaveny.Brian@epa.gov>; Steiner, Elyse <Steiner.Elyse@epa.gov>
Subject: RE: interagency comments

Verifying with OGC, but we are likely to go this way.

From: Macpherson, Alex
Sent: Friday, September 15, 2017 9:19 AM
To: Culligan, Kevin <Culligan.Kevin@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>;
Steiner, Elyse <Steiner.Elyse@epa.gov>
Subject: RE: interagency comments

One more that appears in the RIA comments. Please advise:

Ex. 5 - Deliberative Process

From: Culligan, Kevin
Sent: Monday, September 11, 2017 11:07 AM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>; Steiner, Elyse <Steiner.Elyse@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: interagency comments

Thanks Brian

From: Keaveny, Brian
Sent: Monday, September 11, 2017 10:42 AM
To: Culligan, Kevin <Culligan.Kevin@epa.gov>; Steiner, Elyse <Steiner.Elyse@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: interagency comments

Hi Kevin and Elyse,

As you know, in late July we received interagency comments on the draft RIA for the Review of the CPP. A few of these comments suggest specific edits to sentences that were not part of the draft RIA. This makes us think these comments may relate to draft preamble text that was submitted for interagency review.

Copied below are the interagency suggested edits in case they relate to the preamble and you haven't already seen them. The text in red is the suggested edit from interagency review.

Ex. 5 - Deliberative Process

Please let me know if you have any questions.

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Sasser, Erika[Sasser.Erika@epa.gov]
Cc: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Tue 9/26/2017 2:29:26 PM
Subject: FW: CPP Repeal RIA

Erika

See below. I could share clean draft in the afternoon with OGC and note they are subject to change. Please advise. Thanks.

Alex

From: Culligan, Kevin
Sent: Tuesday, September 26, 2017 10:21 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: FW: CPP Repeal RIA

From: Schramm, Daniel
Sent: Tuesday, September 26, 2017 10:05 AM
To: Culligan, Kevin <Culligan.Kevin@epa.gov>
Subject: CPP Repeal RIA

Kevin – (First, hello! How are you doing?) Second, Elliott suggested asking you about the status of the CPP repeal RIA. We understand it might be coming later this week. I've been trying to keep tabs on a few potentially legally-relevant issues in the document and would be interested to see OMB comments. Let me know if you have any info on where it might be? Thanks! Dan

Daniel Schramm

U.S. EPA Office of General Counsel

(202) 564-3377

schramm.daniel@epa.gov

The contents of this message may be subject to the attorney-client, work-product, or deliberative process privileges.

To: Macpherson, Alex[Macpherson.Alex@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]; Steiner, Elyse[Steiner.Elyse@epa.gov]
From: Culligan, Kevin
Sent: Fri 9/15/2017 3:24:35 PM
Subject: RE: interagency comments

....
>>>>

Verifying with OGC, but we are likely to go this way.

From: Macpherson, Alex
Sent: Friday, September 15, 2017 9:19 AM
To: Culligan, Kevin ; Keaveny, Brian ; Steiner, Elyse
Subject: RE: interagency comments

One more that appears in the RIA comments. Please advise:

Ex. 5 - Deliberative Process

From: Culligan, Kevin
Sent: Monday, September 11, 2017 11:07 AM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>; Steiner, Elyse <Steiner.Elyse@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: interagency comments

Thanks Brian

From: Keaveny, Brian
Sent: Monday, September 11, 2017 10:42 AM
To: Culligan, Kevin <Culligan.Kevin@epa.gov>; Steiner, Elyse <Steiner.Elyse@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: interagency comments

Hi Kevin and Elyse,

As you know, in late July we received interagency comments on the draft RIA for the Review of the CPP. A few of these comments suggest specific edits to sentences that were not part of the draft RIA. This makes us think these comments may relate to draft preamble text that was submitted for interagency review.

Copied below are the interagency suggested edits in case they relate to the preamble and you haven't already seen them. The text in red is the suggested edit from interagency review.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Please let me know if you have any questions.

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Ferris, Ann[Ferris.Ann@epa.gov]; Kaufman, Kathy[Kaufman.Kathy@epa.gov]
Cc: Jenkins, Robin[Jenkins.Robin@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
From: Macpherson, Alex
Sent: Fri 9/15/2017 2:00:35 PM
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

....
>>>>

Yes, I've flagged that footnote to make sure we want to keep once dust settles on some of the issues

Alex

From: Ferris, Ann
Sent: Friday, September 15, 2017 9:56 AM
To: Macpherson, Alex ; Kaufman, Kathy
Cc: Jenkins, Robin ; Evans, DavidA ; Marten, Alex
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Thanks, all.

Ex. 5 - Deliberative Process

Finally – happy retirement, Kathy!! It's been a great pleasure working with you, too.

Thanks,

Ann

202-564-3207

From: Macpherson, Alex
Sent: Friday, September 15, 2017 9:44 AM
To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Yes, thank you Ann and others for your work on this. It is now folded into the current drafts.

Alex

From: Kaufman, Kathy

Sent: Thursday, September 14, 2017 4:34 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>

Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: FW: CPP repeal RIA draft response to interagency comments on employment impacts

Hey Ann – I think you did a really nice job editing – the section is really clear and thorough. I think it's good to go. Same with the comment responses on employment.

I'm cc'ing Alex Macpherson so he can see the edits and fold in the comment responses.

Thanks!

-Kathy

PS – just a fyi – I'm retiring on Sept 29. It's been great working with you all.

From: Ferris, Ann

Sent: Thursday, September 14, 2017 3:12 PM

To: Jenkins, Robin <Jenkins.Robin@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Alex, and Dave,

Robin and I have revised the RIA section on employment, hopefully reflecting our discussion earlier this week. We've also attached a revised draft response to the interagency comments on the employment analysis. See attached. Happy to discuss.

I'm heading out a bit earlier today --soon, but will be in again in the morning. Please feel free to call if you'd like to discuss before tomorrow morning.

Thanks,

Ann

564-3207

From: Jenkins, Robin

Sent: Monday, September 11, 2017 12:07 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Ann, My comments are attached. Apologies but when I saved, they all became marked as "Author." But you can still use compare docs to see them.

Robin

From: Ferris, Ann

Sent: Thursday, September 07, 2017 2:08 PM

To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Robin, Alex, and Dave,

To help get things started, on the CPP repeal RIA revisions to the section on employment impacts, I've put together an initial draft, responding to interagency comments. I've also included draft responses to each interagency comment.

In responding to comments, I relied on interagency suggestions, our revisions to the CWR repeal RIA employment section, our discussions in the Task 1 workgroup and report, and pulling in additional details from the 2015 CPP RIA.

It would be great if we could meet sometime early next week to discuss.

Thanks,

Ann

564-3207

To: Kaufman, Kathy[Kaufman.Kathy@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]
Cc: Jenkins, Robin[Jenkins.Robin@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
From: Macpherson, Alex
Sent: Fri 9/15/2017 1:43:53 PM
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

....
>>>>

Yes, thank you Ann and others for your work on this. It is now folded into the current drafts.

Alex

From: Kaufman, Kathy
Sent: Thursday, September 14, 2017 4:34 PM
To: Ferris, Ann
Cc: Jenkins, Robin ; Evans, DavidA ; Marten, Alex ; Macpherson, Alex
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-Kathy

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To: Jenkins, Robin <Jenkins.Robin@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

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Thanks,

Ann

564-3207

From: Jenkins, Robin

Sent: Monday, September 11, 2017 12:07 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

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Sent: Thursday, September 07, 2017 2:08 PM

To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

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Ann

564-3207

To: Sasser, Erika[Sasser.Erika@epa.gov]
Cc: McGartland, Al[McGartland.Al@epa.gov]; Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]; Macpherson, Alex[Macpherson.Alex@epa.gov]; Wayland, Robertj[Wayland.Robertj@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]
From: Culligan, Kevin
Sent: Wed 10/4/2017 9:24:41 PM
Subject: RE: RIA drafts (clean and RLSO) and ROCIS spreadsheet attached

::

Does Al need to ok it, or is it ready to go?

From: Sasser, Erika
Sent: Wednesday, October 04, 2017 5:16 PM
To: Culligan, Kevin
Cc: McGartland, Al ; Weatherhead, Darryl ; Macpherson, Alex ; Wayland, Robertj ; Fann, Neal ; Keaveny, Brian ; Marten, Alex ; Evans, DavidA
Subject: FW: RIA drafts (clean and RLSO) and ROCIS spreadsheet attached

Attached please find the full RIA draft, in both clean and RLSO, for the CPP Repeal proposal, along with the ROCIS sheet for submission to OMB.

Thanks

To: Davidson, Ken[Davidson.Ken@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]
From: Macpherson, Alex
Sent: Mon 8/14/2017 6:04:02 PM
Subject: RE: For your review: initial responses to CPP interagency comments

.....
Hi Ken

We're in a bit of a holding pattern right now and waiting for some mgmt direction.

Alex

From: Davidson, Ken
Sent: Monday, August 14, 2017 1:43 PM
To: Fann, Neal ; Macpherson, Alex
Subject: RE: For your review: initial responses to CPP interagency comments

Hi Neal and Alex,

Wanted to check in on how the responses to the CPP RIA comments were coming along. Is there anything you can share? Any useful updates on process? Thanks,

Ken

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal
Sent: Wednesday, August 02, 2017 11:08 AM
To: Davidson, Ken <Davidson.Ken@epa.gov>; Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>
Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: For your review: initial responses to CPP interagency comments

Ken,

Thanks for the feedback. I've rolled in your changes.

Alex is the project lead, and I've cc'd him on this note. Alex, in my absence, would you be willing to share with Ken your responses to the other comments?

Thanks,

Neal

From: Davidson, Ken

Sent: Wednesday, August 02, 2017 12:54 PM

To: Fann, Neal <Fann.Neal@epa.gov>; Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: RE: For your review: initial responses to CPP interagency comments

Hi Neal,

Thanks for the opportunity to review. I added a couple of small comments to the doc. I'm also interested in how y'all will be responding to some of the other comments – for example:

Ex. 5 - Deliberative Process

Do you know who is working on these responses? Thanks,

Ken

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal

Sent: Tuesday, August 01, 2017 4:59 PM

To: Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Davidson, Ken <Davidson.Ken@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: For your review: initial responses to CPP interagency comments

Hi benefits team

I've been asked to draft brief responses to the two benefits-related CPP comments. As you have time on Wednesday, can you please review and revise this [two- pager](#)?

Please feel free to modify and comment upon the SharePoint version directly. Our goal is to provide Erika with a terse response that she can use to speak from, rather than an exhaustive review of the state of the science.

Thanks in advance for your help!

-Neal

To: Keaveny, Brian[Keaveny.Brian@epa.gov]; Kamal, Ali[Kamal.Ali@epa.gov]; Chan, Elizabeth[Chan.Elizabeth@epa.gov]; Coffman, Evan[Coffman.Evan@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Fann, Neal
Sent: Wed 9/27/2017 11:35:59 AM
Subject: RE: Best practices for updating benefits estimates

Thanks Brian. Ali is on it.

From: Keaveny, Brian
Sent: Tuesday, September 26, 2017 7:06 PM
To: Fann, Neal <Fann.Neal@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Best practices for updating benefits estimates

Hi Neal,

As you know, we're wrapping up the RIA for interagency review to be sent out Wednesday (tomorrow). As part of this, we need to also send our associated workbooks, including the workbook(s) you've used to generate benefit numbers. FYI, whatever files I send tomorrow will likely end up in the docket.

Can you or someone else on your end prepare your spreadsheet(s) for sharing and send them to me by 1:00 pm Wednesday?

I'm happy to discuss tomorrow morning if it would be helpful.

Thanks for your help,

- Brian

From: Fann, Neal

Sent: Monday, September 25, 2017 12:30 PM

To: Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>

Cc: Keaveny, Brian <Keaveny.Brian@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: Best practices for updating benefits estimates

Hi all,

As we reach our next major milestone for the CPP repeal and distribute the draft chapter to the management team, I wanted to thank you all for taking the time over the past several days to generate new numbers, populate tables and perform QA/QC. Prior to you guys joining the benefits team, we generally only tasked one person with performing the entire analysis. Partly for this reason, I'm less accustomed to performing this work as a team.

Whenever we update any benefits estimates (which occurs frequently in pretty much any RIA project), I think we should send a quick note to the benefits team as well as any "downstream" users of this information (in this case, Brian and Alex), indicating what has changed and by how much. This way, anyone using our numbers to calculate net benefits or NPV will know that they need to update their calculations.

Thanks again for all of your help and being willing to put in the extra effort to get this across the finish line.

-Neal

Neal Fann

Health and Environmental Impacts Division
Office of Air Quality Planning and Standards
U.S. Environmental Protection Agency
109 TW Alexander Drive (C539-07)
Research Triangle Park, NC 27711
Phone: (919) 541-0209

To: Ferris, Ann[Ferris.Ann@epa.gov]; Kaufman, Kathy[Kaufman.Kathy@epa.gov]
Cc: Jenkins, Robin[Jenkins.Robin@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
From: Macpherson, Alex
Sent: Tue 9/19/2017 8:36:53 PM
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Ann

Took awhile to get to it, but correction is made.

Alex

From: Ferris, Ann
Sent: Friday, September 15, 2017 10:21 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Alex,

One quick correction. I just double-checked the newly-added OMB (2015) citation:

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

And here's the citation for OMB (2015):

U.S. Office of Management and Budget. 2015. *2015 Report to Congress on the Benefits and Costs of Federal Regulations and Agency Compliance with the Unfunded Mandates Reform Act*. Available at: <
https://obamawhitehouse.archives.gov/sites/default/files/omb/inforeg/2015_cb/2015-cost-benefit-report.pdf>. Accessed Sept. 15, 2017.

Thanks,

Ann

From: Macpherson, Alex
Sent: Friday, September 15, 2017 10:01 AM
To: Ferris, Ann <Ferris.Ann@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Yes, I've flagged that footnote to make sure we want to keep once dust settles on some of the issues

Alex

From: Ferris, Ann
Sent: Friday, September 15, 2017 9:56 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>

Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>;
Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Thanks, all.

Ex. 5 - Deliberative Process

Finally – happy retirement, Kathy!! It's been a great pleasure working with you, too.

Thanks,

Ann

202-564-3207

From: Macpherson, Alex
Sent: Friday, September 15, 2017 9:44 AM
To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>;
Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Yes, thank you Ann and others for your work on this. It is now folded into the current drafts.

Alex

From: Kaufman, Kathy
Sent: Thursday, September 14, 2017 4:34 PM
To: Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: FW: CPP repeal RIA draft response to interagency comments on employment impacts

Hey Ann – I think you did a really nice job editing – the section is really clear and thorough. I think it's good to go. Same with the comment responses on employment.

I'm cc'ing Alex Macpherson so he can see the edits and fold in the comment responses.

Thanks!

-Kathy

PS – just a fyi – I'm retiring on Sept 29. It's been great working with you all.

From: Ferris, Ann
Sent: Thursday, September 14, 2017 3:12 PM
To: Jenkins, Robin <Jenkins.Robin@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Alex, and Dave,

Robin and I have revised the RIA section on employment, hopefully reflecting our discussion earlier this week. We've also attached a revised draft response to the interagency comments on the employment analysis. See attached. Happy to discuss.

I'm heading out a bit earlier today --soon, but will be in again in the morning. Please feel free to call if you'd like to discuss before tomorrow morning.

Thanks,

Ann

564-3207

From: Jenkins, Robin

Sent: Monday, September 11, 2017 12:07 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Ann, My comments are attached. Apologies but when I saved, they all became marked as "Author." But you can still use compare docs to see them.

Robin

From: Ferris, Ann

Sent: Thursday, September 07, 2017 2:08 PM

To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Robin, Alex, and Dave,

To help get things started, on the CPP repeal RIA revisions to the section on employment impacts, I've put together an initial draft, responding to interagency comments. I've also included draft responses to each interagency comment.

In responding to comments, I relied on interagency suggestions, our revisions to the CWR repeal RIA employment section, our discussions in the Task 1 workgroup and report, and pulling in additional details from the 2015 CPP RIA.

It would be great if we could meet sometime early next week to discuss.

Thanks,

Ann

564-3207

To: Davidson, Ken[Davidson.Ken@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]
From: Macpherson, Alex
Sent: Mon 8/14/2017 6:04:02 PM
Subject: RE: For your review: initial responses to CPP interagency comments

Hi Ken

We're in a bit of a holding pattern right now and waiting for some mgmt direction.

Alex

From: Davidson, Ken
Sent: Monday, August 14, 2017 1:43 PM
To: Fann, Neal <Fann.Neal@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: For your review: initial responses to CPP interagency comments

Hi Neal and Alex,

Wanted to check in on how the responses to the CPP RIA comments were coming along. Is there anything you can share? Any useful updates on process? Thanks,

Ken

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal

Sent: Wednesday, August 02, 2017 11:08 AM

To: Davidson, Ken <Davidson.Ken@epa.gov>; Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Subject: RE: For your review: initial responses to CPP interagency comments

Ken,

Thanks for the feedback. I've rolled in your changes.

Alex is the project lead, and I've cc'd him on this note. Alex, in my absence, would you be willing to share with Ken your responses to the other comments?

Thanks,

Neal

From: Davidson, Ken

Sent: Wednesday, August 02, 2017 12:54 PM

To: Fann, Neal <Fann.Neal@epa.gov>; Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: RE: For your review: initial responses to CPP interagency comments

Hi Neal,

Thanks for the opportunity to review. I added a couple of small comments to the doc. I'm also interested in how y'all will be responding to some of the other comments – for example:

Ex. 5 - Deliberative Process

Do you know who is working on these responses? Thanks,

Ken

Kenneth Davidson

U.S. Environmental Protection Agency

Office of Transportation and Air Quality/Region 9 Air Division

75 Hawthorne St. (AIR-6)

San Francisco, CA 94105

Phone: 415-972-3633

From: Fann, Neal

Sent: Tuesday, August 01, 2017 4:59 PM

To: Pekar, Zachary <Pekar.Zachary@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>;
Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Davidson, Ken
<Davidson.Ken@epa.gov>

Cc: Hetes, Bob <Hetes.Bob@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>

Subject: For your review: initial responses to CPP interagency comments

Hi benefits team

I've been asked to draft brief responses to the two benefits-related CPP comments. As you have time on Wednesday, can you please review and revise this [two- pager](#)? Please feel free to modify and comment upon the SharePoint version directly. Our goal is to provide Erika with a terse response that she can use to speak from, rather than an exhaustive review of the state of the science.

Thanks in advance for your help!

-Neal

To: Macpherson, Alex[Macpherson.Alex@epa.gov]
Cc: Kamal, Ali[Kamal.Ali@epa.gov]
From: Fann, Neal
Sent: Thur 8/24/2017 8:22:10 PM
Subject: Re: Quick turnaround

Off tomorrow but can call in as needed.

Ex. 5 - Deliberative Process

From: Macpherson, Alex
Sent: Thursday, August 24, 2017 4:18:33 PM
To: Keaveny, Brian; Eschmann, Erich; Adamantiades, Mikhail; Bryson, Joe; Shouse, Kate; Marten, Alex; Evans, DavidA; Fann, Neal
Cc: Kamal, Ali
Subject: Quick turnaround

Team,

Ex. 5 - Deliberative Process

This timeline needs to be completed by cob tomorrow (Friday 8/25). We will produce this timeline and send to OAQPS management before an OAR/OP career staff manager meeting which will likely be scheduled for 2 pm Friday afternoon.

I will set up meeting for first thing Friday morning...not the best of timing, obviously, but this is not negotiable.

More details in the morning....thanks all and talk to you soon

Alex

To: Macpherson, Alex[Macpherson.Alex@epa.gov]; Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Weatherhead, Darryl
Sent: Wed 9/13/2017 10:19:44 PM
Subject: Fwd: CPP RIA Memo
[CPP Repeal RIA Update for OMB.docx](#)
[ATT00001.htm](#)

..
,,

Sent from my iPhone

Begin forwarded message:

From: "Sasser, Erika" <Sasser.Erika@epa.gov>
Date: September 13, 2017 at 5:15:15 PM EDT
To: "McGartland, Al" <McGartland.Al@epa.gov>
Cc: "Marten, Alex" <Marten.Alex@epa.gov>, "Weatherhead, Darryl" <Weatherhead.Darryl@epa.gov>, "Wayland, Robertj" <Wayland.Robertj@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>, "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Harvey, Reid" <Harvey.Reid@epa.gov>, "Snyder, Carolyn" <Snyder.Carolyn@epa.gov>
Subject: CPP RIA Memo

Al—

Ex. 5 - Deliberative Process

I'm good to go with this version, unless someone sees a burning issue. Al, please copy Sarah and Mandy when you send to Samantha and Brittany.

Also, my plan is to reach out to Jim Laity tomorrow morning relatively early (i.e., 9:30, which I think is early for OMB) and see if we can set up a call. I assume the managers on this email plus relevant staff would be included.

Thanks,

Erika

To: Bryson, Joe[Bryson.Joe@epa.gov]
Cc: Eschmann, Erich[Eschmann.Erich@epa.gov]
From: Macpherson, Alex
Sent: Wed 9/20/2017 12:30:43 PM

Ex. 5 - Deliberative Process

Working on some suggestions right now...back to you in 15 mins or so

From: Bryson, Joe
Sent: Tuesday, September 19, 2017 6:27 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Eschmann, Erich <Eschmann.Erich@epa.gov>

Ex. 5 - Deliberative Process

Great! Please look at my quick/rough TPs below and provide edits, etc.

From: Macpherson, Alex
Sent: Tuesday, September 19, 2017 6:19 PM
To: Bryson, Joe <Bryson.Joe@epa.gov>
Cc: Eschmann, Erich <Eschmann.Erich@epa.gov>

Ex. 5 - Deliberative Process

Will try to get all of OAQPS on boat before 1.

From: Bryson, Joe
Sent: Tuesday, September 19, 2017 6:02 PM
To: Eschmann, Erich <Eschmann.Erich@epa.gov>; Macpherson, Alex
<Macpherson.Alex@epa.gov>

Ex. 5 - Deliberative Process

Alex/Erich,

I just spoke w/ Carolyn after seeing that the 3 of us seem to be on same page on this —

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

This could well come up at the 1-2pm call tomorrow re CPP that Al Mc. sent out so **to be most effective we need to prep key OAR bosses w/ common arguments (talking points)**. Erich would share, explain to Jeb/Rick, I'd share/explain to Carolyn, and Good Alex would share/explain to Darryl/Erika as well as Kevin C.

To implement this master plan, the 3 of us need to agree on arguments/TPs. Carolyn pointed out that ultimately they'd need to be compelling to Al (ideally) and part of that would be to make them compelling to his political bosses (Samantha, maybe Mandy, etc.). I think this kinda requires the super high level points and then the next level w/ a little more info for audience of Al Mc/staff.

Below is my first quick cut at arguments/TPs. I'm hoping we can agree on these NLT ~10am tomorrow so we all can share/use w/ our bosses.

Thanks, Joe, (202) 343-9631

Ex. 5 - Deliberative Process

High level rationale (this is likely still too complicated ... but maybe Al Mc can figure out what of this is most effective w/ his boss?):

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Additional detail for AI Mc/OP:

Ex. 5 - Deliberative Process

From: Eschmann, Erich
Sent: Tuesday, September 19, 2017 4:54 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>
Subject: RE: good call

Agree on both points.

Erich Eschmann

Clean Air Markets Division

U.S. EPA, Office of Air and Radiation

202 343-9128 Phone

202 343-2359 Fax

eschmann.erich@epa.gov

From: Macpherson, Alex

Sent: Tuesday, September 19, 2017 3:26 PM

To: Eschmann, Erich <Eschmann.Erich@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>

Subject: good call

Thanks Joe. You handled call very well.

Ex. 5 - Deliberative Process

Thoughts?

Alex

To: Eschmann, Erich[Eschmann.Erich@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]
From: Macpherson, Alex
Sent: Wed 9/20/2017 12:45:35 PM

Ex. 5 - Deliberative Process

Let me work this into my suggested revisions

From: Eschmann, Erich
Sent: Wednesday, September 20, 2017 8:40 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Erich Eschmann

Clean Air Markets Division

U.S. EPA, Office of Air and Radiation

202 343-9128 Phone

202 343-2359 Fax

eschmann.erich@epa.gov

From: Macpherson, Alex

Sent: Wednesday, September 20, 2017 8:31 AM
To: Bryson, Joe <Bryson.Joe@epa.gov>
Cc: Eschmann, Erich <Eschmann.Erich@epa.gov>

Ex. 5 - Deliberative Process

Working on some suggestions right now...back to you in 15 mins or so

From: Bryson, Joe
Sent: Tuesday, September 19, 2017 6:27 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Eschmann, Erich <Eschmann.Erich@epa.gov>

Ex. 5 - Deliberative Process

Great! Please look at my quick/rough TPs below and provide edits, etc.

From: Macpherson, Alex
Sent: Tuesday, September 19, 2017 6:19 PM
To: Bryson, Joe <Bryson.Joe@epa.gov>
Cc: Eschmann, Erich <Eschmann.Erich@epa.gov>

Ex. 5 - Deliberative Process

Will try to get all of OAQPS on boat before 1.

From: Bryson, Joe
Sent: Tuesday, September 19, 2017 6:02 PM
To: Eschmann, Erich <Eschmann.Erich@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>

Ex. 5 - Deliberative Process

Alex/Erich,

I just spoke w/ Carolyn after seeing that the 3 of us seem to be on same page on this —

Ex. 5 - Deliberative Process

This could well come up at the 1-2pm call tomorrow re CPP that Al Mc. sent out so **to be most effective we need to prep key OAR bosses w/ common arguments (talking points)**. Erich would share, explain to Jeb/Rick, I'd share/explain to Carolyn, and Good Alex would share/explain to Darryl/Erika as well as Kevin C.

To implement this master plan, the 3 of us need to agree on arguments/TPs. Carolyn pointed out that ultimately they'd need to be compelling to Al (ideally) and part of that would be to make them compelling to his political bosses (Samantha, maybe Mandy, etc.). I think this kinda requires the super high level points and then the next level w/ a little more info for audience of Al Mc/staff.

Below is my first quick cut at arguments/TPs. I'm hoping we can agree on these NLT ~10am tomorrow so we all can share/use w/ our bosses.

Thanks, Joe, (202) 343-9631

Ex. 5 - Deliberative Process

High level rationale (this is likely still too complicated ... but maybe Al Mc can figure out what of this is most effective w/ his boss?):

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Additional detail for AI Mc/OP:

Ex. 5 - Deliberative Process

From: Eschmann, Erich
Sent: Tuesday, September 19, 2017 4:54 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>
Subject: RE: good call

Agree on both points.

Erich Eschmann

Clean Air Markets Division

U.S. EPA, Office of Air and Radiation

202 343-9128 Phone

202 343-2359 Fax

eschmann.erich@epa.gov

From: Macpherson, Alex

Sent: Tuesday, September 19, 2017 3:26 PM

To: Eschmann, Erich <Eschmann.Erich@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>

Subject: good call

Thanks Joe. You handled call very well.

Ex. 5 - Deliberative Process

Thoughts?

Alex

To: Keaveny, Brian[Keaveny.Brian@epa.gov]; Steiner, Elyse[Steiner.Elyse@epa.gov]
Cc: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Culligan, Kevin
Sent: Mon 9/11/2017 3:07:03 PM
Subject: RE: interagency comments

...

Thanks Brian

From: Keaveny, Brian
Sent: Monday, September 11, 2017 10:42 AM
To: Culligan, Kevin ; Steiner, Elyse
Cc: Macpherson, Alex
Subject: interagency comments

Hi Kevin and Elyse,

As you know, in late July we received interagency comments on the draft RIA for the Review of the CPP. A few of these comments suggest specific edits to sentences that were not part of the draft RIA. This makes us think these comments may relate to draft preamble text that was submitted for interagency review.

Copied below are the interagency suggested edits in case they relate to the preamble and you haven't already seen them. The text in red is the suggested edit from interagency review.

Ex. 5 - Deliberative Process

Please let me know if you have any questions.

- Brian

—

Brian Keaveny, Economist

Air Economics Group, HEID/OAQPS

U.S. EPA Office of Air and Radiation

MD C439-02, 109 TW Alexander Dr., RTP, NC 27711

Phone: 919-541-5238

To: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Thur 8/31/2017 2:48:21 PM
Subject: Re: Benefits Approach for CPP Repeal RIA - Room C500A

my team call went over...can you call me for this Ex. 6 - Personal Privacy then I will come in?

From: Sasser, Erika
Sent: Tuesday, August 29, 2017 10:05 AM
To: Sasser, Erika; Fann, Neal; Kamal, Ali; Hetes, Bob; Coffman, Evan; Chan, Elizabeth; Jenkins, Scott
Cc: Weatherhead, Darryl; Macpherson, Alex; Wayland, Robertj
Subject: Benefits Approach for CPP Repeal RIA - Room C500A
When: Thursday, August 31, 2017 11:00 AM-11:30 AM.
Where: RTP-C500A-Max40/RTP-Bldg-C

Cc: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
To: Sasser, Erika[Sasser.Erika@epa.gov]
From: Macpherson, Alex
Sent: Thur 8/31/2017 2:55:40 PM
Subject: Re: Benefits Approach for CPP Repeal RIA - Room C500A

Erika, Darryl

Sorry, but I'm at home...can you call me Ex. 6 - Personal Privacy for this meeting or please send a call-in number?

Thanks
Alex

From: Sasser, Erika
Sent: Tuesday, August 29, 2017 10:05 AM
To: Sasser, Erika; Fann, Neal; Kamal, Ali; Hetes, Bob; Coffman, Evan; Chan, Elizabeth; Jenkins, Scott
Cc: Weatherhead, Darryl; Macpherson, Alex; Wayland, Robertj
Subject: Benefits Approach for CPP Repeal RIA - Room C500A
When: Thursday, August 31, 2017 11:00 AM-11:30 AM.
Where: RTP-C500A-Max40/RTP-Bldg-C

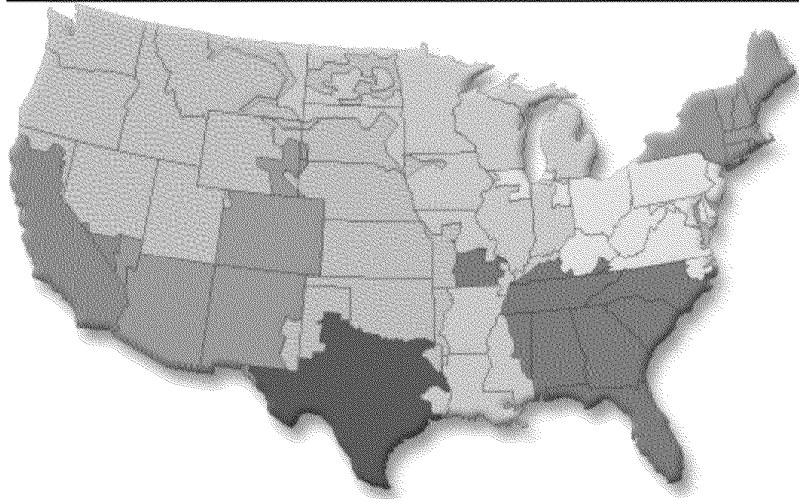
To: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Fann, Neal
Sent: Thur 8/31/2017 6:28:25 PM
Subject: RE: RIA team discussion

Hi Alex,

Following our discussion, here are a few notes below that describe the implications of this approach to quantifying the benefits.

Ex. 5 - Deliberative Process

-Neal



From: Macpherson, Alex
Sent: Thursday, August 31, 2017 9:08 AM
To: Keaveny, Brian <Keaveny.Brian@epa.gov>; Eschmann, Erich <Eschmann.Erich@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Shouse, Kate <Shouse.Kate@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Fann, Neal <Fann.Neal@epa.gov>; Kamal, Ali <Kamal.Ali@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>
Subject: Re: RIA team discussion

All

Some rough background and structure for our conversation...please try to read before meeting. Thanks

Alex

From: Macpherson, Alex
Sent: Thursday, August 24, 2017 4:22 PM
To: Macpherson, Alex; Keaveny, Brian; Eschmann, Erich; Adamantiades, Mikhail; Bryson, Joe; Shouse, Kate; Marten, Alex; Evans, DavidA; Fann, Neal; Kamal, Ali; Ex. 6 - Personal Privacy
Ex. 6 - Personal Privacy Ragnauth, Shaun
Subject: RIA team discussion

When: Thursday, August 31, 2017 9:30 AM-10:30 AM.

Where: conf line Ex. 6 - Personal Privacy

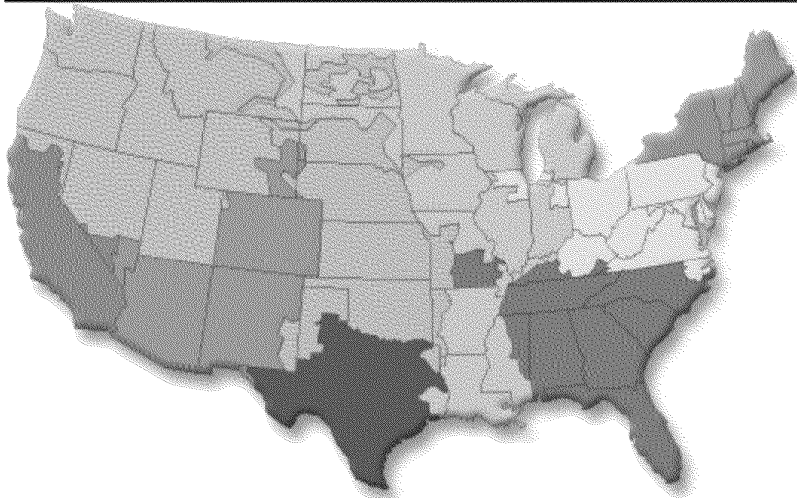
To: Macpherson, Alex[Macpherson.Alex@epa.gov]
From: Fann, Neal
Sent: Thur 8/31/2017 6:28:25 PM
Subject: RE: RIA team discussion

....
>>>
Hi Alex,

Following our discussion, here are a few notes below that describe the implications of this approach to quantifying the benefits.

Ex. 5 - Deliberative Process

-Neal



From: Macpherson, Alex
Sent: Thursday, August 31, 2017 9:08 AM
To: Keaveny, Brian ; Eschmann, Erich ; Adamantiades, Mikhail ; Bryson, Joe ; Shouse, Kate ; Marten, Alex ; Evans, DavidA ; Fann, Neal ; Kamal, Ali ; Ragnauth, Shaun
Subject: Re: RIA team discussion

All

Some rough background and structure for our conversation...please try to read before meeting. Thanks

Alex

From: Macpherson, Alex

Sent: Thursday, August 24, 2017 4:22 PM

To: Macpherson, Alex; Keaveny, Brian; Eschmann, Erich; Adamantiades, Mikhail; Bryson, Joe; Shouse, Kate; Marten, Alex; Evans, DavidA; Fann, Neal; Kamal, Ali; **Ex. 6 - Personal Privacy**

Ex. 6 - Personal Privacy

Ragnauth, Shaun

Subject: RIA team discussion

When: Thursday, August 31, 2017 9:30 AM-10:30 AM.

Where: conf line **Ex. 6 - Personal Privacy**

Cc: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
To: Sasser, Erika[Sasser.Erika@epa.gov]
From: Macpherson, Alex
Sent: Thur 8/31/2017 2:55:40 PM
Subject: Re: Benefits Approach for CPP Repeal RIA - Room C500A

..
,,
Erika, Darryl

Sorry, but I'm at home...can you call me Ex. 6 - Personal Privacy for this meeting or please send a call-in number?

Thanks
Alex

From: Sasser, Erika
Sent: Tuesday, August 29, 2017 10:05 AM
To: Sasser, Erika; Fann, Neal; Kamal, Ali; Hetes, Bob; Coffman, Evan; Chan, Elizabeth; Jenkins, Scott
Cc: Weatherhead, Darryl; Macpherson, Alex; Wayland, Robertj
Subject: Benefits Approach for CPP Repeal RIA - Room C500A
When: Thursday, August 31, 2017 11:00 AM-11:30 AM.
Where: RTP-C500A-Max40/RTP-Bldg-C

To: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Thur 8/31/2017 2:48:21 PM
Subject: Re: Benefits Approach for CPP Repeal RIA - Room C500A

..

my team call went over...can you call me for this Ex. 6 - Personal Privacy then I will come in?

From: Sasser, Erika
Sent: Tuesday, August 29, 2017 10:05 AM
To: Sasser, Erika; Fann, Neal; Kamal, Ali; Hetes, Bob; Coffman, Evan; Chan, Elizabeth; Jenkins, Scott
Cc: Weatherhead, Darryl; Macpherson, Alex; Wayland, Robertj
Subject: Benefits Approach for CPP Repeal RIA - Room C500A
When: Thursday, August 31, 2017 11:00 AM-11:30 AM.
Where: RTP-C500A-Max40/RTP-Bldg-C

To: Ferris, Ann[Ferris.Ann@epa.gov]; Kaufman, Kathy[Kaufman.Kathy@epa.gov]
Cc: Jenkins, Robin[Jenkins.Robin@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
From: Macpherson, Alex
Sent: Sun 9/24/2017 6:47:05 PM
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Ann

Ex. 5 - Deliberative Process

Alex

From: Ferris, Ann
Sent: Friday, September 15, 2017 9:56 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Thanks, all.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Finally – happy retirement, Kathy!! It's been a great pleasure working with you, too.

Thanks,

Ann

202-564-3207

From: Macpherson, Alex
Sent: Friday, September 15, 2017 9:44 AM
To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Yes, thank you Ann and others for your work on this. It is now folded into the current drafts.

Alex

From: Kaufman, Kathy
Sent: Thursday, September 14, 2017 4:34 PM
To: Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: FW: CPP repeal RIA draft response to interagency comments on employment impacts

Hey Ann – I think you did a really nice job editing – the section is really clear and thorough. I think it's good to go. Same with the comment responses on employment.

I'm cc'ing Alex Macpherson so he can see the edits and fold in the comment responses.

Thanks!

-Kathy

PS – just a fyi – I’m retiring on Sept 29. It’s been great working with you all.

From: Ferris, Ann

Sent: Thursday, September 14, 2017 3:12 PM

To: Jenkins, Robin <Jenkins.Robin@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Alex, and Dave,

Robin and I have revised the RIA section on employment, hopefully reflecting our discussion earlier this week. We’ve also attached a revised draft response to the interagency comments on the employment analysis. See attached. Happy to discuss.

I’m heading out a bit earlier today --soon, but will be in again in the morning. Please feel free to call if you’d like to discuss before tomorrow morning.

Thanks,

Ann

564-3207

From: Jenkins, Robin

Sent: Monday, September 11, 2017 12:07 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: CPP repeal RIA draft response to interagency comments on employment impacts

Ann, My comments are attached. Apologies but when I saved, they all became marked as "Author." But you can still use compare docs to see them.

Robin

From: Ferris, Ann

Sent: Thursday, September 07, 2017 2:08 PM

To: Kaufman, Kathy <Kaufman.Kathy@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: CPP repeal RIA draft response to interagency comments on employment impacts

Hi Kathy, Robin, Alex, and Dave,

To help get things started, on the CPP repeal RIA revisions to the section on employment impacts, I've put together an initial draft, responding to interagency comments. I've also included draft responses to each interagency comment.

In responding to comments, I relied on interagency suggestions, our revisions to the CWR repeal RIA employment section, our discussions in the Task 1 workgroup and report, and pulling in additional details from the 2015 CPP RIA.

It would be great if we could meet sometime early next week to discuss.

Thanks,

Ann

564-3207

To: Macpherson, Alex[Macpherson.Alex@epa.gov]; Wayland, Robertj[Wayland.Robertj@epa.gov]; Fann, Neal[Fann.Neal@epa.gov]; Sasser, Erika[Sasser.Erika@epa.gov]
From: Weatherhead, Darryl
Sent: Thur 12/14/2017 4:25:07 PM
Subject: FW: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?
[Burtraw 171213.pptx](#)
[Final Slide Deck shortened.pptm](#)

Thought you might be interested in the slides

From: Adamantiades, Mikhail
Sent: Thursday, December 14, 2017 10:40 AM
To: OAR-OAP-CAMD-PDB <OAROAPCAMDPDB@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Hutson, Nick <Hutson.Nick@epa.gov>; Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Fellner, Christian <Fellner.Christian@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RFF: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Slides from an event at RFF yesterday....

From: Resources for the Future [<mailto:events@rff.org>]
Sent: Wednesday, December 13, 2017 12:15 PM
To: Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>
Subject: Today's Webcast: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Join today's live webcast of "What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?"

[View this email in your browser.](#)

Today's Webcast

What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

This is a reminder that the live webcast of “What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?” will begin today at 12:45 p.m. EST at www.rff.org/live.

Join the webcast starting at 12:45 p.m.

This RFF seminar will explore the implications of each of these revisions for potential future climate and energy policy decisions. RFF’s Alan Krupnick will reflect on the decision’s treatment of health benefits, and Harvard University’s Kathy Fallon Lambert will present new research on how repealing the Clean Power Plan would impact public health. RFF’s Dallas Burtraw will conclude the seminar with a discussion of how a revised “inside the fence line” approach to Clean Power Plan compliance might work. [Learn more about this event](#).

Have a question while watching the live webcast? [Tweet your question](#) and include #AskRFF. Questions will be answered as time allows.

To: Fann, Neal[Fann.Neal@epa.gov]
From: Macpherson, Alex
Sent: Thur 9/14/2017 9:09:55 PM
Subject: FW: memo
[CPP Repeal RIA Update for OMB.docx](#)

Neal: I know you are out but sharing this just in case. Alex

From: Macpherson, Alex
Sent: Thursday, September 14, 2017 9:52 AM
To: Eschmann, Erich <Eschmann.Erich@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>
Subject: Fw: memo

making sure you all have this. Not sure the status (whether it's been sent, how it was received, etc) but please read carefully.

Alex

To: Stenhouse, Jeb[Stenhouse.Jeb@epa.gov]
Cc: Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]; Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Macpherson, Alex
Sent: Tue 9/12/2017 4:39:34 PM
Subject: RE: 3 page prospectus

Jeb

Yes, Shaun is already in the loop.

Alex

From: Stenhouse, Jeb
Sent: Tuesday, September 12, 2017 12:38 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Fawcett, Allen <Fawcett.Allen@epa.gov>
Subject: Fwd: 3 page prospectus

Hi Alex - can you please add Shaun Ragnauth to your ongoing group addressing CPP repeal analytics? Shaun is covering SCC and economy-wide climate analytics for OAP. (If you hadn't heard, Kate Shouse just left EPA.)

Begin forwarded message:

From: "Harvey, Reid" <Harvey.Reid@epa.gov>
Date: September 12, 2017 at 12:23:51 PM EDT
To: "Snyder, Carolyn" <Snyder.Carolyn@epa.gov>, "Haeuber, Richard" <Haeuber.Richard@epa.gov>, "Gunning, Paul" <Gunning.Paul@epa.gov>, "Krieger, Jackie" <Krieger.Jackie@epa.gov>, "Stenhouse, Jeb" <Stenhouse.Jeb@epa.gov>
Subject: Fwd: 3 page prospectus

Begin forwarded message:

From: "McGartland, Al" <McGartland.Al@epa.gov>
Date: September 12, 2017 at 12:05:13 PM EDT

To: "Sasser, Erika" <Sasser.Erika@epa.gov>, "Weatherhead, Darryl" <Weatherhead.Darryl@epa.gov>, "Macpherson, Alex" <Macpherson.Alex@epa.gov>, "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Harvey, Reid" <Harvey.Reid@epa.gov>, "Marten, Alex" <Marten.Alex@epa.gov>, "Evans, DavidA" <Evans.DavidA@epa.gov>

Subject: 3 page prospectus

We all agree we need to have a paper that will provide the necessary details to avoid any last minute disagreements. I have been in contact with you and at meetings with OMB. I think this write up strikes a balance with what all parties think should be done and what we can do in the time frame we have. I understand that Alex Mac is coordinating a group writing a more detailed paper. Hopefully these can be merged and made consistent.

Erika and I think that Alex Mac's group (including Alex Marten and Dave Evans) should work towards that merger.

Alex and Dave -- I have made some changes to the version you saw, based on further discussions -- all to the air pollution benefits discussion. I will follow up directly with Erika on this part.

To: Sasser, Erika[Sasser.Erika@epa.gov]; Keating, Martha[keating.martha@epa.gov]
From: Macpherson, Alex
Sent: Fri 9/29/2017 2:06:39 PM
Subject: RE: EOs

Sure, but part of this is he asked OP to help and they are looking for original author to help. I'm just trying to make sure the right people are connected

Alex

From: Sasser, Erika
Sent: Friday, September 29, 2017 10:05 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Keating, Martha <keating.martha@epa.gov>
Subject: RE: EOs

Tell Kevin he's going to have to get this take care of. We've got enough to do. Do you want me to call him?

From: Macpherson, Alex
Sent: Friday, September 29, 2017 10:04 AM
To: Keating, Martha <keating.martha@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Subject: RE: EOs

Hm, what to do?

From: Keating, Martha
Sent: Friday, September 29, 2017 10:00 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Subject: RE: EOs

Yes, Amy is on CDO today ...

Martha Keating|Policy Advisor, Health and Environmental Impacts Division|U.S. EPA, RTP,
NC, 27711|(919) 541-9407

From: Macpherson, Alex
Sent: Friday, September 29, 2017 9:59 AM
To: Sasser, Erika <Sasser.Erika@epa.gov>; Keating, Martha <keating.martha@epa.gov>
Subject: RE: EOs

It seems that Amy Vasu wrote the children's health section (when she was still in SPPD). I think she is on CDO today, not sure?

Alex

From: Sasser, Erika
Sent: Friday, September 29, 2017 9:25 AM
To: Keating, Martha <keating.martha@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: EOs

After talking to Kevin yesterday, I think he's asking who wrote the original CPP children's health section (not the version that was in the CPP repeal package). He wants someone who can address the differences between what we said back in 2015 vs what we said in first repeal package. I still think that was (and is) SPPD.

From: Keating, Martha
Sent: Friday, September 29, 2017 9:22 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Subject: RE: EOs

No, I didn't – it didn't come from SPPD?

Martha Keating|Policy Advisor, Health and Environmental Impacts Division|U.S. EPA, RTP,
NC, 27711|(919) 541-9407

From: Macpherson, Alex
Sent: Friday, September 29, 2017 9:09 AM
To: Sasser, Erika <Sasser.Erika@epa.gov>; Keating, Martha <keating.martha@epa.gov>
Subject: EOs

Erika, Martha

Kevin C has asked OP to help with the children's health and EJ executive orders in the CPP repeal preamble. I think OP has the EJ one covered, plus I re-stated our concern with unemployment->adverse health language to Alex Marten.

The question is who wrote the children's health? Was that you Martha? We're just trying to get a handle on who wrote the current draft, and the thinking behind it, because OMB has asked for revisions.

Thanks
Alex

To: Keating, Martha[keating.martha@epa.gov]; Sasser, Erika[Sasser.Erika@epa.gov]
From: Macpherson, Alex
Sent: Fri 9/29/2017 2:03:33 PM
Subject: RE: EOs

Hm, what to do?

From: Keating, Martha
Sent: Friday, September 29, 2017 10:00 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Subject: RE: EOs

Yes, Amy is on CDO today ...

Martha Keating|Policy Advisor, Health and Environmental Impacts Division|U.S. EPA, RTP,
NC, 27711|(919) 541-9407

From: Macpherson, Alex
Sent: Friday, September 29, 2017 9:59 AM
To: Sasser, Erika <Sasser.Erika@epa.gov>; Keating, Martha <keating.martha@epa.gov>
Subject: RE: EOs

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Alex

From: Sasser, Erika
Sent: Friday, September 29, 2017 9:25 AM
To: Keating, Martha <keating.martha@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: EOs

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From: Keating, Martha
Sent: Friday, September 29, 2017 9:22 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Subject: RE: EOs

No, I didn't – it didn't come from SPPD?

Martha Keating|Policy Advisor, Health and Environmental Impacts Division|U.S. EPA, RTP,
NC, 27711|(919) 541-9407

From: Macpherson, Alex
Sent: Friday, September 29, 2017 9:09 AM
To: Sasser, Erika <Sasser.Erika@epa.gov>; Keating, Martha <keating.martha@epa.gov>
Subject: EOs

Erika, Martha

Kevin C has asked OP to help with the children's health and EJ executive orders in the CPP repeal preamble. I think OP has the EJ one covered, plus I re-stated our concern with unemployment->adverse health language to Alex Marten.

The question is who wrote the children's health? Was that you Martha? We're just trying to get a handle on who wrote the current draft, and the thinking behind it, because OMB has asked for revisions.

Thanks
Alex

To: Sasser, Erika[Sasser.Erika@epa.gov]; Keating, Martha[keating.martha@epa.gov]
From: Macpherson, Alex
Sent: Fri 9/29/2017 1:58:30 PM
Subject: RE: EOs

It seems that Amy Vasu wrote the children's health section (when she was still in SPPD). I think she is on CDO today, not sure?

Alex

From: Sasser, Erika
Sent: Friday, September 29, 2017 9:25 AM
To: Keating, Martha <keating.martha@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: EOs

After talking to Kevin yesterday, I think he's asking who wrote the original CPP children's health section (not the version that was in the CPP repeal package). He wants someone who can address the differences between what we said back in 2015 vs what we said in first repeal package. I still think that was (and is) SPPD.

From: Keating, Martha
Sent: Friday, September 29, 2017 9:22 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>
Subject: RE: EOs

No, I didn't – it didn't come from SPPD?

Martha Keating|Policy Advisor, Health and Environmental Impacts Division|U.S. EPA, RTP,
NC, 27711|(919) 541-9407

From: Macpherson, Alex

Sent: Friday, September 29, 2017 9:09 AM

To: Sasser, Erika <Sasser.Erika@epa.gov>; Keating, Martha <keating.martha@epa.gov>

Subject: EOs

Erika, Martha

Kevin C has asked OP to help with the children's health and EJ executive orders in the CPP repeal preamble. I think OP has the EJ one covered, plus I re-stated our concern with unemployment->adverse health language to Alex Marten.

The question is who wrote the children's health? Was that you Martha? We're just trying to get a handle on who wrote the current draft, and the thinking behind it, because OMB has asked for revisions.

Thanks
Alex

To: Sasser, Erika[Sasser.Erika@epa.gov]; Keating, Martha[keating.martha@epa.gov]
From: Macpherson, Alex
Sent: Fri 9/29/2017 1:08:34 PM
Subject: EOs

Erika, Martha

Kevin C has asked OP to help with the children's health and EJ executive orders in the CPP repeal preamble. I think OP has the EJ one covered, plus I re-stated our concern with unemployment->adverse health language to Alex Marten.

The question is who wrote the children's health? Was that you Martha? We're just trying to get a handle on who wrote the current draft, and the thinking behind it, because OMB has asked for revisions.

Thanks
Alex

To: Fann, Neal[Fann.Neal@epa.gov]
From: Macpherson, Alex
Sent: Thur 8/24/2017 8:25:11 PM
Subject: RE: Quick turnaround

Neal

Power sector modeling = IPM plus energy efficiency considerations, no AQ modeling,

Sorry but it would be good if you could call in.

Alex

From: Fann, Neal
Sent: Thursday, August 24, 2017 4:22 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Kamal, Ali <Kamal.Ali@epa.gov>
Subject: Re: Quick turnaround

Off tomorrow but can call in as needed.

Power sector modeling = IPM or IPM + CMAQ?

From: Macpherson, Alex
Sent: Thursday, August 24, 2017 4:18:33 PM
To: Keaveny, Brian; Eschmann, Erich; Adamantiades, Mikhail; Bryson, Joe; Shouse, Kate; Marten, Alex; Evans, DavidA; Fann, Neal
Cc: Kamal, Ali
Subject: Quick turnaround

Team,

Resulting from a discussion between EPA and OMB earlier today, we need to produce a timeline

for producing a new CPP repeal RIA that contains new power sector modeling.

This timeline needs to be completed by cob tomorrow (Friday 8/25). We will produce this timeline and send to OAQPS management before an OAR/OP career staff manager meeting which will likely be scheduled for 2 pm Friday afternoon.

I will set up meeting for first thing Friday morning...not the best of timing, obviously, but this is not negotiable.

More details in the morning....thanks all and talk to you soon

Alex

To: Possiel, Norm[Possiel.Norm@epa.gov]; Simon, Heather[Simon.Heather@epa.gov]
From: Macpherson, Alex
Sent: Thur 1/4/2018 5:58:18 PM
Subject: FW: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

[Final Slide Deck shortened.pptm](#)

[driscoll et al US power plant carbon standards 2015 .pdf](#)

Fyi...I realized ya'll might not have this info

Alex

From: Macpherson, Alex
Sent: Thursday, January 4, 2018 9:54 AM
To: Hutson, Nick <Hutson.Nick@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>
Subject: FW: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Nick, Brian, Bob

Here's the paper I mentioned yesterday that examined an inside-the-fenceline approach. I think you guys and a lot of the others already have the slides from the recent RFF talk.

Ex. 5 - Deliberative Process

Alex

From: Adamantiades, Mikhail
Sent: Thursday, December 14, 2017 10:40 AM
To: OAR-OAP-CAMD-PDB <OAROAPCAMDPDB@epa.gov>; Harvey, Reid <Harvey.Reid@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Hutson, Nick <Hutson.Nick@epa.gov>; Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Fellner, Christian <Fellner.Christian@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>
Subject: RFF: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Slides from an event at RFF yesterday....

To: Marten, Alex[Marten.Alex@epa.gov]
Cc: Ferris, Ann[Ferris.Ann@epa.gov]; Miller, Elizabeth[Miller.Elizabeth@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: Macpherson, Alex
Sent: Wed 3/7/2018 8:31:51 PM
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Ah...thanks Alex. I t was only a few months back but it's already a blur

Alex

From: Marten, Alex
Sent: Wednesday, March 7, 2018 3:31 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Ferris, Ann <Ferris.Ann@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>
Subject: Re: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

I can look at the distributional piece tomorrow as I believe I was the original author of the CPP text.

--

Alex Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

On Mar 7, 2018, at 3:28 PM, Macpherson, Alex <Macpherson.Alex@epa.gov> wrote:

Hi Ann

Thanks for your help. Re; the distributional impacts, I think Kelly wrote a lot of that in the CPP repeal context, maybe with some help from others in NCEE, so it might be best to run it past her rather than look through the papers.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Alex

From: Ferris, Ann

Sent: Wednesday, March 7, 2018 3:17 PM

To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Miller, Elizabeth
<Miller.Elizabeth@epa.gov>

Cc: Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>

Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Hi Alex,

Thanks!

I've read it over and made a few comments. I didn't draft the lit review in the distributional impacts section, so I'll have to check those papers cited to answer your question about electricity vs. energy expenditures.

Ex. 5 - Deliberative Process

Thanks,

Ann

From: Macpherson, Alex
Sent: Tuesday, March 06, 2018 12:06 PM
To: Ferris, Ann <Ferris.Ann@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>
Cc: Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Ann

It's probably an ok time to look at the employment and distribution impacts section of the draft RIA. Section includes four sets of discussion:

- Energy Markets Impacts,
- Distributional Impacts,
- Small Business Impacts, and
- Employment Impacts.

I'm still writing the FTE compliance labor section but the structure is there. For the rest I structured it like the CPP repeal RIA and borrowed and edited text from that RIA as well.

Ex. 5 - Deliberative Process

Thanks
Alex

From: Ferris, Ann
Sent: Wednesday, February 28, 2018 10:30 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Miller, Elizabeth

<Miller.Elizabeth@epa.gov>

Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Hi Alex and Beth,

Sounds good to me. Alex, thanks for starting the revisions. If you want to chat briefly about it, happy to talk anytime.

Thanks,

Ann

202-564-4307

From: Macpherson, Alex

Sent: Wednesday, February 28, 2018 8:57 AM

To: Miller, Elizabeth <Miller.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>

Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Hi Ann and Beth

Ex. 5 - Deliberative Process

I've set up the tables for the FTE-estimates, so that is in decent shape. I can get the draft qualitative chapter going based on Uinta FIP, as promised. Or Ann can start, if that's preferred.

Being realistic, maybe I could have a first draft ready by Friday afternoon? How would that work?

Alex

From: Miller, Elizabeth
Sent: Tuesday, February 27, 2018 11:21 AM
To: Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Ann,

Thanks for checking in. The ONG EIA did get a few additional weeks. We still don't have a firm deadline as to when the package is going to the workgroup for FAR review, but we are working under the assumption that it will be mid next week (like the 6th or 7th). We are also working under the assumption that the workgroup will get a 5 (work) day FAR review, but that has not been finalized either. I agree that using as much pre-written language as possible is the best, most efficient route, so using the Uintah FIP is a great idea. Please feel free to go into the document at any time.

Alex Macpherson has been working on the economic impacts chapter. He is out today, but I will make sure that we (or at least the two of you) find a time to touch base after he is back in to answer any questions.

If you have questions, please email or call and I will do my best to answer them.

Thanks,

Beth

From: Ferris, Ann
Sent: Tuesday, February 27, 2018 10:37 AM

To: Miller, Elizabeth <Miller.Elizabeth@epa.gov>

Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Hi Beth,

I'm checking in with you on the status of the employment section of the ONG EIA. Elizabeth mentioned there might be additional time?

Also, the Utah FIP RIA might be useful here, so I can bring some of the relevant portions over to this, as well.

Thanks,

Ann

Ann Ferris
U.S. Environmental Protection Agency
National Center for Environmental Economics
(202) 564-3207

From: Miller, Elizabeth [<mailto:no-reply@sharepointonline.com>]

Sent: Tuesday, February 20, 2018 3:12 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>




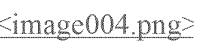
Cc: Miller, Elizabeth <Miller.Elizabeth@epa.gov>

Subject: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Here is the ONG EIA document. Thank you for your help!

Open ONG Proposed Tech Recon EIA.docx

See more related to Miller, Elizabeth in Delve.

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app!

To: Ferris, Ann[Ferris.Ann@epa.gov]; Miller, Elizabeth[Miller.Elizabeth@epa.gov]
Cc: Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: Macpherson, Alex
Sent: Wed 3/7/2018 8:28:23 PM
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Hi Ann

Thanks for your help. Re; the distributional impacts, I think Kelly wrote a lot of that in the CPP repeal context, maybe with some help from others in NCEE, so it might be best to run it past her rather than look through the papers.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Alex

From: Ferris, Ann
Sent: Wednesday, March 7, 2018 3:17 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>
Cc: Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Hi Alex,

Thanks!

I've read it over and made a few comments. I didn't draft the lit review in the distributional impacts section, so I'll have to check those papers cited to answer your question about

electricity vs. energy expenditures.

Ex. 5 - Deliberative Process

Thanks,

Ann

From: Macpherson, Alex
Sent: Tuesday, March 06, 2018 12:06 PM
To: Ferris, Ann <Ferris.Ann@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>
Cc: Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Ann

It's probably an ok time to look at the employment and distribution impacts section of the draft RIA. Section includes four sets of discussion:

- Energy Markets Impacts,
- Distributional Impacts,
- Small Business Impacts, and
- Employment Impacts.

I'm still writing the FTE compliance labor section but the structure is there. For the rest I structured it like the CPP repeal RIA and borrowed and edited text from that RIA as well.

Ex. 5 - Deliberative Process

Thanks
Alex

From: Ferris, Ann
Sent: Wednesday, February 28, 2018 10:30 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Hi Alex and Beth,

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202-564-4307

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Sent: Wednesday, February 28, 2018 8:57 AM
To: Miller, Elizabeth <Miller.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>
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Ex. 5 - Deliberative Process

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Sent: Tuesday, February 27, 2018 11:21 AM
To: Ferris, Ann <Ferris.Ann@epa.gov>
Cc: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Ann,

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Thanks,

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To: Miller, Elizabeth <Miller.Elizabeth@epa.gov>

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Ann Ferris
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[\(202\) 564-3207](tel:(202)564-3207)

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Subject: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

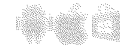
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Open [ONG Proposed Tech Recon EIA.docx](#)

See more related to [Miller, Elizabeth](#) in Delve.



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To: Ferris, Ann[Ferris.Ann@epa.gov]; Miller, Elizabeth[Miller.Elizabeth@epa.gov]
Cc: Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]
From: Macpherson, Alex
Sent: Tue 3/6/2018 5:05:50 PM
Subject: RE: Miller, Elizabeth has shared 'ONG Proposed Tech Recon EIA'

Ann

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To: Fann, Neal[Fann.Neal@epa.gov]; 'Mikhail Adamantiades (Adamantiades.Mikhail@epa.gov)'[Adamantiades.Mikhail@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]; 'Kelly Maguire'[Maguire.Kelly@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]; Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]
Cc: Keaveny, Brian[Keaveny.Brian@epa.gov]; Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Fri 10/13/2017 12:42:31 PM
Subject: RE: Docket items due cob today THANKS ALL

Everyone

Thanks for pulling together all the docket material so quickly. I'll try to plan this better next time, so we don't have an unplanned rush to the finish line. I apologize for that and extra appreciate the effort.

When he's able to produce it, our coordinator is going to send a list of all the material in the docket...Brian and I will review that to make sure everything made it in.

Alex

From: Macpherson, Alex
Sent: Thursday, October 12, 2017 9:37 AM
To: Fann, Neal <Fann.Neal@epa.gov>; Mikhail Adamantiades (Adamantiades.Mikhail@epa.gov) <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Kelly Maguire <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>
Cc: Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: Docket items due cob today
Importance: High

Team

See below...the FR notice will be published Monday. We need to have our docket items to our coordinator by cob today. Here's what we plan to docket and the responsible party:

- New RIA and supporting spreadsheets (Brian)
- 2015 RIA and key supporting material (EE TSD, for example) (Alex Mac)
- Material passed back and forth between EIA and EPA. I'm told we do not need to docket teleconferences with EIA. (Alex Mac)
- Newly cited articles and reports (OP staff). For articles, please try to name pdf file according to the following convention:
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https://usepa.sharepoint.com/sites/oar_Work/CPP_111d_RIA_FINAL/Shared%20Documents/Proposal%202017

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

From: Eck, Janet

Sent: Thursday, October 12, 2017 8:43 AM

To: Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Dunkins, Robin <Dunkins.Robin@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; French, Chuck <French.Chuck@epa.gov>; Thompson, Fred <Thompson.Fred@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber <Scavo.Kimber@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>

Cc: Rush, Alan <Rush.Alan@epa.gov>; Iglesias, Amber <Iglesias.Amber@epa.gov>; Henigin, Mary <Henigin.Mary@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; South, Peter <South.Peter@epa.gov>

Subject: FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

Importance: High

The CPP Repeal is scheduled to publish Monday, 10/16/17. Thanks.

From: Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

Sent: Wednesday, October 11, 2017 4:43 PM

To: Eck, Janet <Eck.Janet@epa.gov>; Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Wingate, Diedra <Wingate.Diedra@epa.gov>

Subject: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

Importance: High

Your document is about to publish in the Federal Register. This publication date has been confirmed with the Office of the Federal Register.

Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

To: Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]
From: Macpherson, Alex
Sent: Mon 9/18/2017 8:28:08 PM
Subject: RE: file from final

No, sorry. This would be the benefits file from CPP proposal from 2014, not from the draft repeal proposal of 2017. I can see how I might have confused you

Alex

From: Ragnauth, Shaun
Sent: Monday, September 18, 2017 4:08 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: file from final

Alex,

Do either of these fit what you are looking for?

Shaun

From: Macpherson, Alex
Sent: Monday, September 18, 2017 2:38 PM
To: Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>
Subject: file from final

Thanks Shaun.

Alex

To: Fann, Neal[Fann.Neal@epa.gov]; 'Mikhail Adamantiades (Adamantiades.Mikhail@epa.gov)[Adamantiades.Mikhail@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]; 'Kelly Maguire'[Maguire.Kelly@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]; Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]
Cc: Keaveny, Brian[Keaveny.Brian@epa.gov]; Weatherhead, Darryl[Weatherhead.Darryl@epa.gov]
From: Macpherson, Alex
Sent: Thur 10/12/2017 6:36:32 PM
Subject: RE: Docket items due cob today LAST CALL

I've received files from Kelly and Ann. I added 2015 RIA, EE TSD, and EIA-related things (including AEOs 2015-17 and CPP 2015 analysis).

Dave/Joe: are all your files in?

Elizabeth/Alex Marten: any SCC materials need added?

Neal: did you send the articles you mentioned?

Anything else?

Sorry this is quick turnaround. We didn't realize we'd have to docket today.
Alex

From: Macpherson, Alex
Sent: Thursday, October 12, 2017 9:37 AM
To: Fann, Neal <Fann.Neal@epa.gov>; Mikhail Adamantiades (Adamantiades.Mikhail@epa.gov) <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Evans, DavidA <Evans.DavidA@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Kelly Maguire <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>
Cc: Keaveny, Brian <Keaveny.Brian@epa.gov>
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Cc: Rush, Alan <Rush.Alan@epa.gov>; Iglesias, Amber <Iglesias.Amber@epa.gov>; Henigin, Mary <Henigin.Mary@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; South, Peter <South.Peter@epa.gov>

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Vasu, Amy <Vasu.Amy@epa.gov>; Wingate, Diedra <Wingate.Diedra@epa.gov>

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FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

To: Ferris, Ann[Ferris.Ann@epa.gov]
Cc: Evans, DavidA[Evans.DavidA@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]
From: Macpherson, Alex
Sent: Thur 10/12/2017 6:02:48 PM
Subject: RE: Docket items due cob today

OK. thanks Ann.

From: Ferris, Ann
Sent: Thursday, October 12, 2017 2:02 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Evans, DavidA <Evans.DavidA@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>
Subject: RE: Docket items due cob today

Hi Alex,

I've finished uploading the additional citations from the employment section of the RIA.

Thanks,

Ann

202-564-3207

From: Macpherson, Alex
Sent: Thursday, October 12, 2017 10:22 AM
To: Evans, DavidA <Evans.DavidA@epa.gov>
Cc: Fann, Neal <Fann.Neal@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Maguire, Kelly <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: RE: Docket items due cob today

Dave

I'm told no...we should just docket the increment that is newly cited in the 2017 RIA.

We're docketing the 2015 RIA as a core document, along with the EE TSD since I think we reference it a few times.

Alex

From: Evans, DavidA
Sent: Thursday, October 12, 2017 10:19 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Cc: Fann, Neal <Fann.Neal@epa.gov>; Adamantiades, Mikhail <Adamantiades.Mikhail@epa.gov>; Bryson, Joe <Bryson.Joe@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Maguire, Kelly <Maguire.Kelly@epa.gov>; Jenkins, Robin <Jenkins.Robin@epa.gov>; Ragnauth, Shaun <Ragnauth.Shaun@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>
Subject: Re: Docket items due cob today

Alex,

This seems to be implied by the inclusion of the 2015 RIA in your list, but do we need to docket all referenced materials, including those that are in the CPP docket?

Thanks,

Dave

Sent from my iPhone

On Oct 12, 2017, at 9:36 AM, Macpherson, Alex <Macpherson.Alex@epa.gov> wrote:

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Sent: Thursday, October 12, 2017 8:43 AM

To: Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Dunkins, Robin <Dunkins.Robin@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; French, Chuck <French.Chuck@epa.gov>; Thompson, Fred <Thompson.Fred@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber

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Importance: High

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Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

To: Evans, DavidA[Evans.DavidA@epa.gov]
From: Macpherson, Alex
Sent: Thur 10/12/2017 3:46:42 PM
Subject: RE: Docket items due cob today

Yeah, I feel like we are in a small window before rule-stuff speeds up again. I need like a 12 month detail to focus on the CGE platform we've been building.

From: Evans, DavidA
Sent: Thursday, October 12, 2017 11:42 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Docket items due cob today

Sounds good. There will be other stuff to discuss, too. Looking forward to hearing that presentation when the time comes.

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Ex. 5 - Deliberative Process

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FRL #: 9969-75-OAR

Docket #:

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FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

To: Evans, DavidA[Evans.DavidA@epa.gov]
From: Macpherson, Alex
Sent: Mon 12/11/2017 1:36:03 PM
Subject: RE: Rule

Sure, I can embargo. No sweat.

From: Evans, DavidA
Sent: Monday, December 11, 2017 8:34 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Rule

Hmmm. Yes, but can you sit on it a day or two? I seriously didn't think I was telling you something that wasn't completely public. It should make it her way. I'd be annoyed if it didn't, actually.

d

From: Macpherson, Alex
Sent: Monday, December 11, 2017 8:32 AM
To: Evans, DavidA <Evans.DavidA@epa.gov>
Subject: RE: Rule

Ok, mind if I share with DW?

From: Evans, DavidA
Sent: Monday, December 11, 2017 8:31 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: Rule

I thought one could find it here:

https://www.reginfo.gov/public/do/eAgendaMain?operation=OPERATION_GET_AGENCY_RULE_LIST&cu

But I don't see it up yet. The current agenda is the spring agenda:

https://www.reginfo.gov/public/jsp/eAgenda/StaticContent/201704/Preamble_2000.html

It might still be internal, but it is coming out shortly. That said, I don't even see the CPP repeal on that list.

Dave

From: Macpherson, Alex
Sent: Monday, December 11, 2017 8:12 AM
To: Evans, DavidA <Evans.DavidA@epa.gov>
Subject: RE: Rule

I never know where to look for these types of things...is this publically available?

From: Evans, DavidA
Sent: Friday, December 8, 2017 11:54 AM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: Rule

Action POCs - Al McGartland

Primary POC: Al McGartland (OP/NCEE): 202-566-2254

Ex. 5 - Deliberative Process

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To: Evans, DavidA[Evans.DavidA@epa.gov]
From: Macpherson, Alex
Sent: Mon 12/11/2017 1:13:15 PM
Subject: RE: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Thanks for the reminder...I RSVP-ed to listen remotely.

Alex

From: Evans, DavidA
Sent: Friday, December 8, 2017 12:43 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: FW: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

ICYMI. One topic we didn't discuss today was "cost savings".

From: Resources for the Future [<mailto:events@rff.org>]
Sent: Tuesday, December 05, 2017 4:47 PM
To: Evans, DavidA <Evans.DavidA@epa.gov>
Subject: You're Invited: What Does Repeal of the Clean Power Plan Mean for Future Climate and Energy Policies?

Assessing the implications of repeal for public health and other policy decisions.

[View this email in your browser.](#)

What Does Repeal of the Clean Power Plan Mean for Future Climate and



Energy Policies?

An RFF Seminar

December 13, 2017 12:45–2:00 p.m. EST | Light lunch available at 12:30 p.m.

Resources for the Future | 1616 P Street NW, Washington, DC 20036

Register to attend or RSVP to watch the live webcast.

In October, the Trump administration put forward a decision to repeal the Clean Power Plan, citing analysis showing that the costs of the rule exceed its benefits. This analysis laid out several important precedents that are relevant not only for the Clean Power Plan but also for regulatory analysis in general. These include a revised estimate of the social cost of carbon that changes the calculation of the climate benefits from reducing carbon dioxide emissions, as well as different approaches for the treatment of ancillary public health benefits, the savings from improved fuel efficiency, and more.

This RFF seminar will explore the implications of each of these revisions for potential future climate and energy policy decisions. RFF's Alan Krupnick will reflect on the decision's treatment of health benefits, and Harvard University's Kathy Fallon Lambert will present new research on how repealing the Clean Power Plan would impact public health. RFF's Dallas Burtraw will conclude the seminar with a discussion of how a revised "inside the fence line" approach to Clean Power Plan compliance might work.

Speakers

- Dallas Burtraw, Darius Gaskins Senior Fellow, Resources for the Future
- Kathy Fallon Lambert, Director of the Science Policy Exchange, Harvard Forest, Harvard University
- Alan J. Krupnick, Senior Fellow, Resources for the Future

Have a question while watching the live webcast? Tweet your question and

include #AskRFF. Questions will be answered as time allows.

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Docket #:

Published Date: 10/16/2017

To: Fann, Neal[Fann.Neal@epa.gov]; Mikhail Adamantiades (Adamantiades.Mikhail@epa.gov)[Adamantiades.Mikhail@epa.gov]; Bryson, Joe[Bryson.Joe@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]; Kelly Maguire[Maguire.Kelly@epa.gov]; Jenkins, Robin[Jenkins.Robin@epa.gov]; Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]
Cc: Keaveny, Brian[Keaveny.Brian@epa.gov]
From: Macpherson, Alex
Sent: Thur 10/12/2017 1:36:40 PM
Subject: Docket items due cob today

Team

See below...the FR notice will be published Monday. We need to have our docket items to our coordinator by cob today. Here's what we plan to docket and the responsible party:

- New RIA and supporting spreadsheets (Brian)
- 2015 RIA and key supporting material (EE TSD, for example) (Alex Mac)
- Material passed back and forth between EIA and EPA. I'm told we do not need to docket teleconferences with EIA. (Alex Mac)
- Newly cited articles and reports (OP staff). For articles, please try to name pdf file according to the following convention:
 - o Author YEAR.pdf
 - o Author1 and Author2 YEAR pdf
 - o Author1 et al YEAR.pdf
 - o Organization YEAR.pdf

Do not send materials to me via email. Rather, send me an email that you have loaded you material into this directory on our team Sharepoint:

https://usepa.sharepoint.com/sites/oar_Work/CPP_111d_RIA_FINAL/Shared%20Documents/Proposal%202017

Let me know ASAP if you think I am overlooking something, or have any questions

Alex

From: Eck, Janet

Sent: Thursday, October 12, 2017 8:43 AM

To: Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Dunkins, Robin <Dunkins.Robin@epa.gov>; Culligan, Kevin <Culligan.Kevin@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; French, Chuck <French.Chuck@epa.gov>; Thompson, Fred <Thompson.Fred@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>; Scavo, Kimber <Scavo.Kimber@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>

Cc: Rush, Alan <Rush.Alan@epa.gov>; Iglesias, Amber <Iglesias.Amber@epa.gov>; Henigin, Mary <Henigin.Mary@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; South, Peter <South.Peter@epa.gov>

Subject: FW: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

Importance: High

The CPP Repeal is scheduled to publish Monday, 10/16/17. Thanks.

From: Elizabeth Thomas [<mailto:Thomas.Elizabeth@epamail.epa.gov>]

Sent: Wednesday, October 11, 2017 4:43 PM

To: Eck, Janet <Eck.Janet@epa.gov>; Swanson, Nicholas <Swanson.Nicholas@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Wingate, Diedra <Wingate.Diedra@epa.gov>

Subject: FR Dailies: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units is about to publish in the FR.

Importance: High

Your document is about to publish in the Federal Register. This publication date has been confirmed with the Office of the Federal Register.

Title: Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units

FRL #: 9969-75-OAR

Docket #:

Published Date: 10/16/2017

To: Marten, Alex[Marten.Alex@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Ferris, Ann[Ferris.Ann@epa.gov]; Miller, Elizabeth[Miller.Elizabeth@epa.gov]
From: Macpherson, Alex
Sent: Thur 2/15/2018 11:15:06 PM
Subject: RE: oil and gas employment impacts

I can probably get the FTE piece done tomorrow.

Ex. 5 - Deliberative Process

If this sounds good, who wants to start it rolling? My day tomorrow is all oil and gas, and I can see what I can do tomorrow

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Alex Mac

From: Marten, Alex
Sent: Thursday, February 15, 2018 5:01 PM
To: Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>
Subject: RE: oil and gas employment impacts

Ex. 5 - Deliberative Process

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Alex Marten
phone: (202) 566-2301
email: marten.alex@epa.gov

From: Kopits, Elizabeth

Sent: Thursday, February 15, 2018 3:35 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>;
Macpherson, Alex <Macpherson.Alex@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>

Subject: RE: oil and gas employment impacts

Thanks, Ann. FYI O&G is on a ridiculous schedule and the rule package, incl. RIA, is supposed to be circulated for an expedited 5-day FAR review early next week.

Alex and Beth – Would you like Ann to provide input on a draft employment discussion before then, or should she just plan to review during the workgroup review period?

Thanks,

Elizabeth

From: Ferris, Ann

Sent: Thursday, February 15, 2018 3:11 PM

To: Miller, Elizabeth <Miller.Elizabeth@epa.gov>; Kopits, Elizabeth
<Kopits.Elizabeth@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Marten, Alex
<Marten.Alex@epa.gov>

Subject: RE: oil and gas employment impacts

Thanks, Beth. Happy to help.

Ex. 5 - Deliberative Process

Thanks,

Ann

202-564-3207

From: Miller, Elizabeth
Sent: Thursday, February 15, 2018 2:34 PM
To: Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Macpherson, Alex <Macpherson.Alex@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Subject: RE: oil and gas employment impacts

Ann, I will be sending you a link to access the ONG reconsideration RIA. Thank you for your willingness to help with this!!

Beth

From: Kopits, Elizabeth
Sent: Thursday, February 15, 2018 2:30 PM
To: Macpherson, Alex <Macpherson.Alex@epa.gov>; Ferris, Ann <Ferris.Ann@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>
Cc: Miller, Elizabeth <Miller.Elizabeth@epa.gov>
Subject: RE: oil and gas employment impacts

Hi Alex,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Thanks,

Elizabeth

From: Macpherson, Alex

Sent: Thursday, February 15, 2018 12:47 PM

To: Ferris, Ann <Ferris.Ann@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>;

Marten, Alex <Marten.Alex@epa.gov>

Cc: Miller, Elizabeth <Miller.Elizabeth@epa.gov>

Subject: oil and gas employment impacts

Ann, Elizabeth, Alex

I'm helping Beth draft parts of the reconsideration RIA, including the employment impacts section. Have y'all had a chance to think about how to approach?

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Please advise. Happy to set up a brief call to discuss if that is easier. Thanks
Alex

Alex Macpherson

US EPA, 919-541-9770

To: Ferris, Ann[Ferris.Ann@epa.gov]; Kopits, Elizabeth[Kopits.Elizabeth@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]
Cc: Miller, Elizabeth[Miller.Elizabeth@epa.gov]
From: Macpherson, Alex
Sent: Thur 2/15/2018 5:46:44 PM
Subject: oil and gas employment impacts

Ann, Elizabeth, Alex

I'm helping Beth draft parts of the reconsideration RIA, including the employment impacts section. Have y'all had a chance to think about how to approach?

Ex. 5 - Deliberative Process

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Ex. 5 - Deliberative Process

Please advise. Happy to set up a brief call to discuss if that is easier. Thanks
Alex

Alex Macpherson

US EPA, 919-541-9770